

FIG. 1

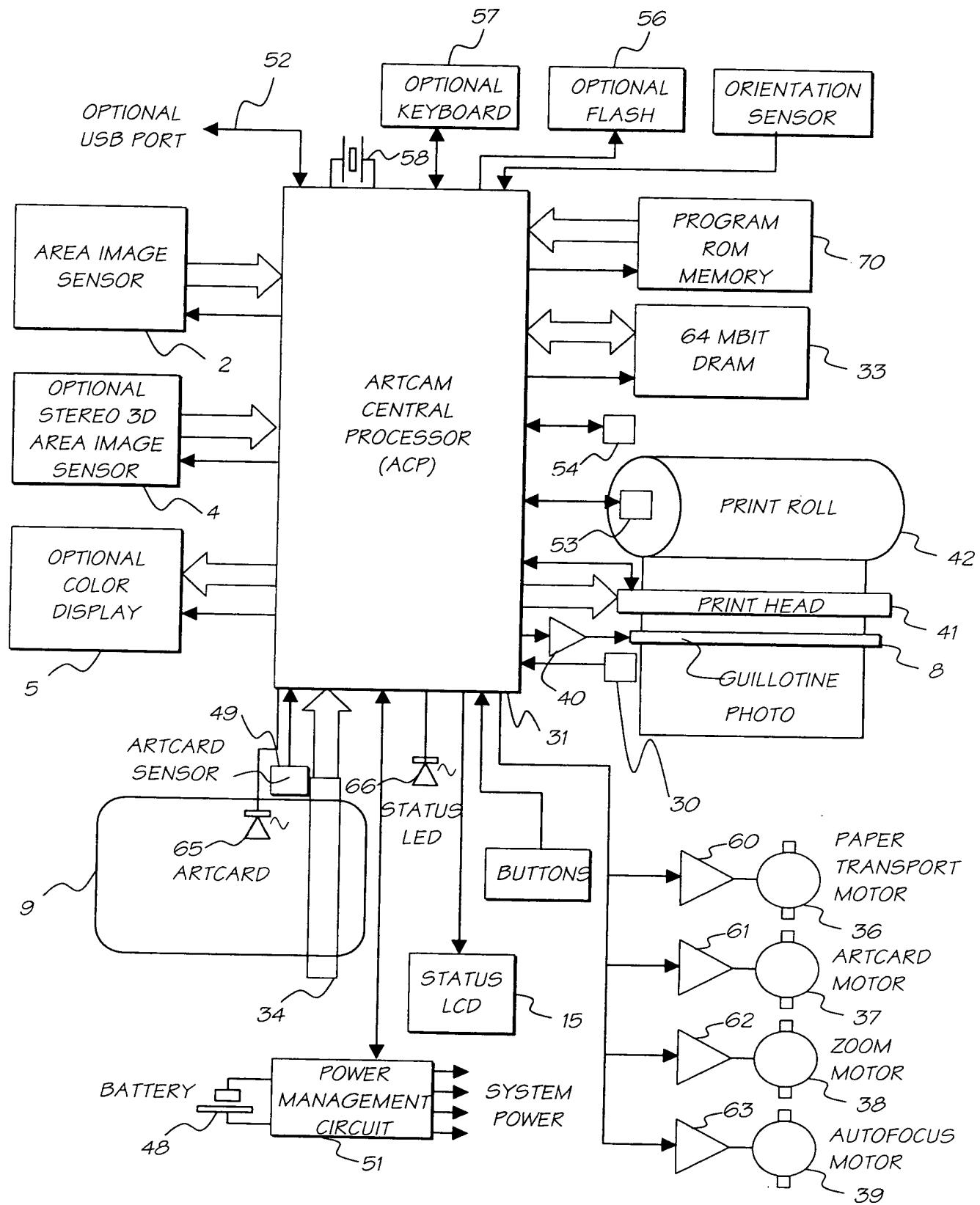


FIG. 2

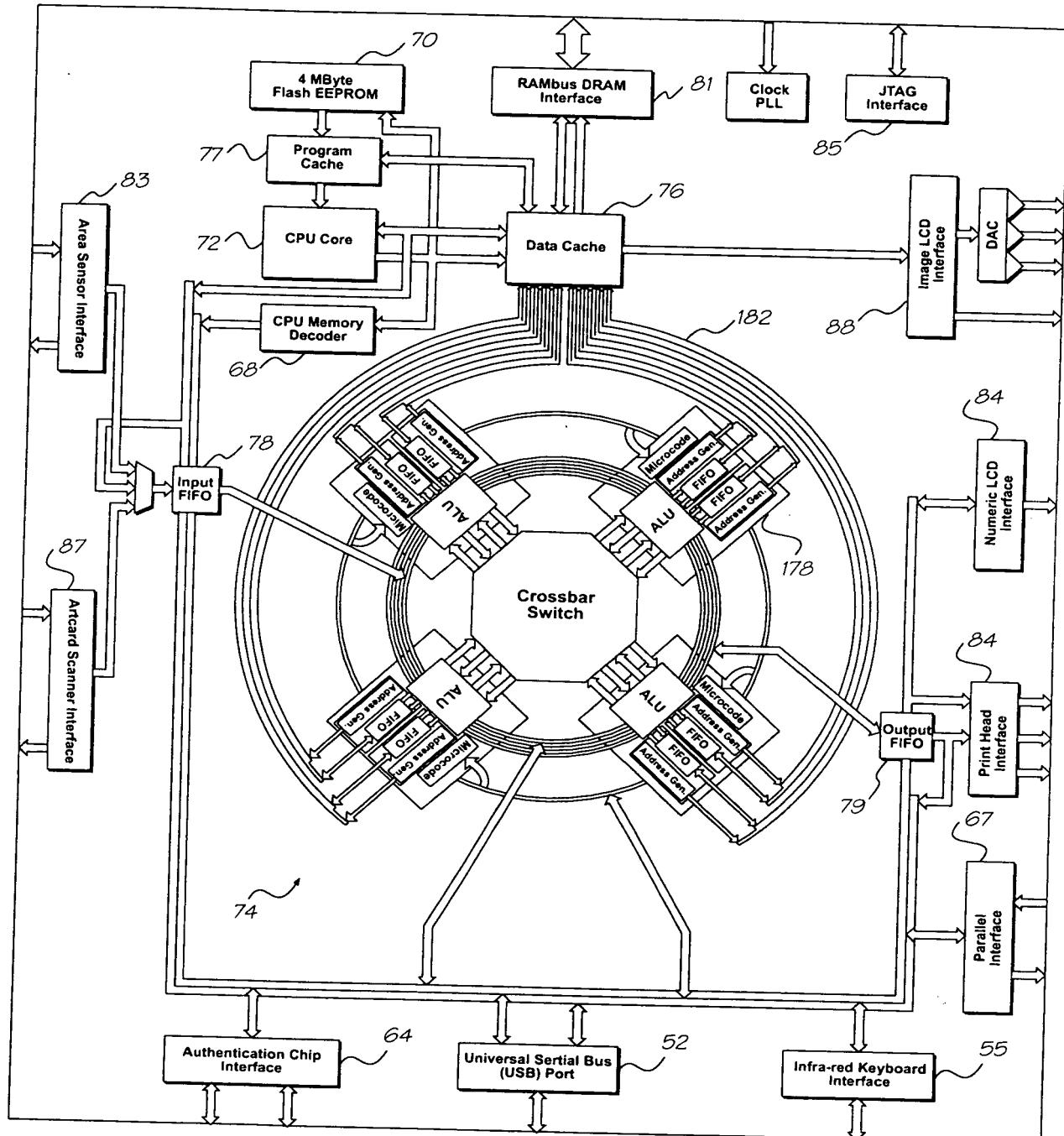


FIG. 3

31

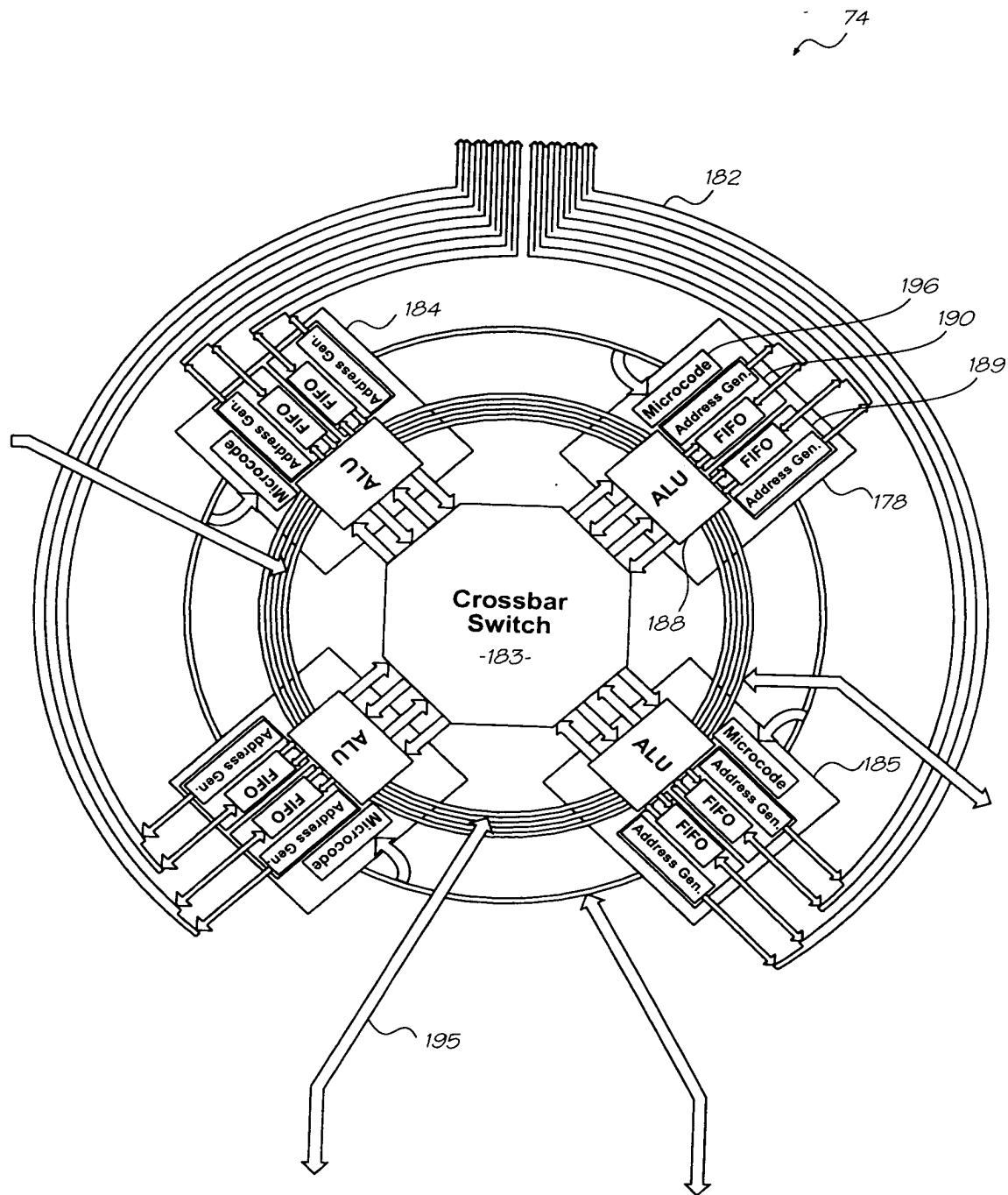


FIG. 3(a)

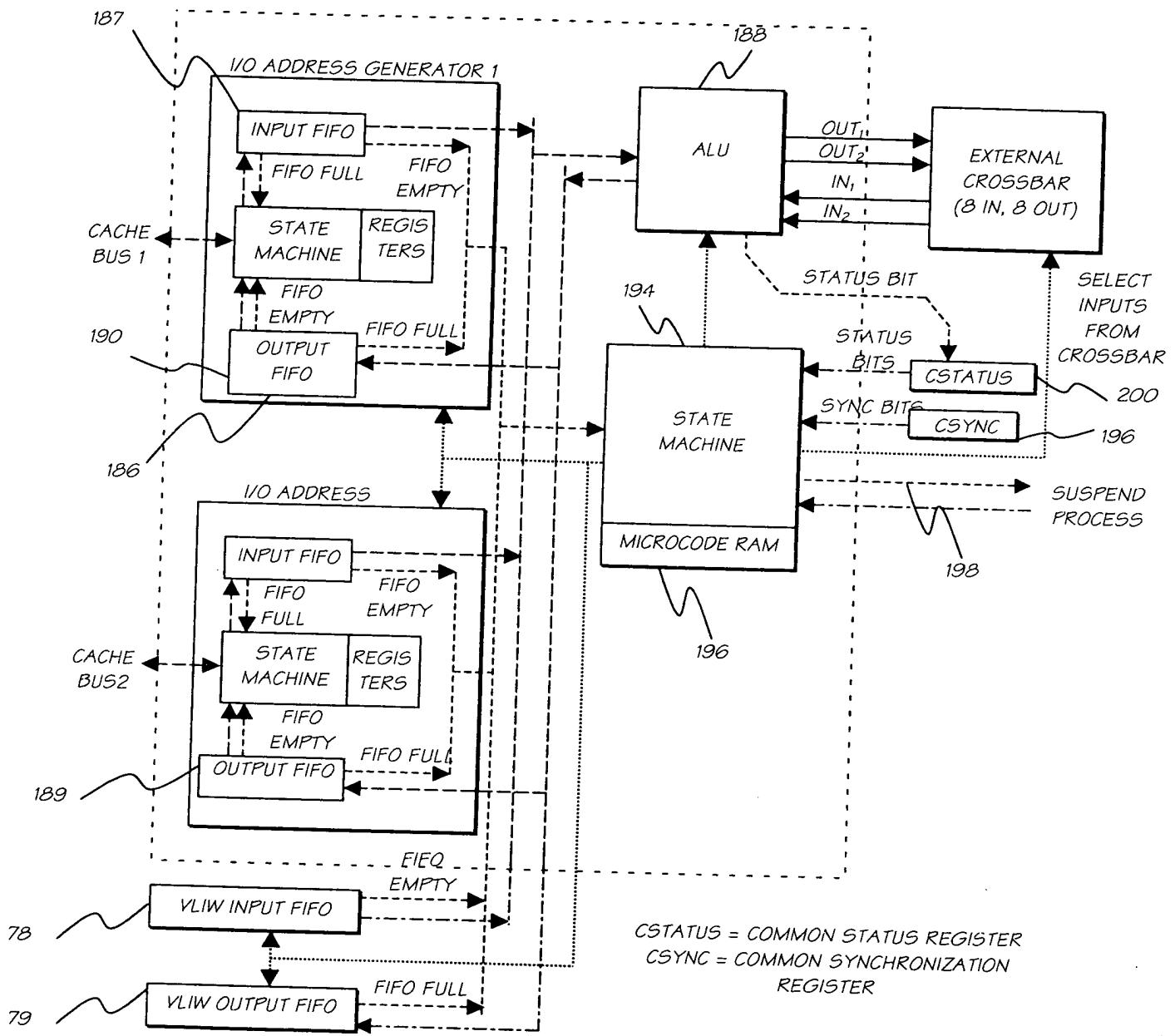


FIG. 4

178

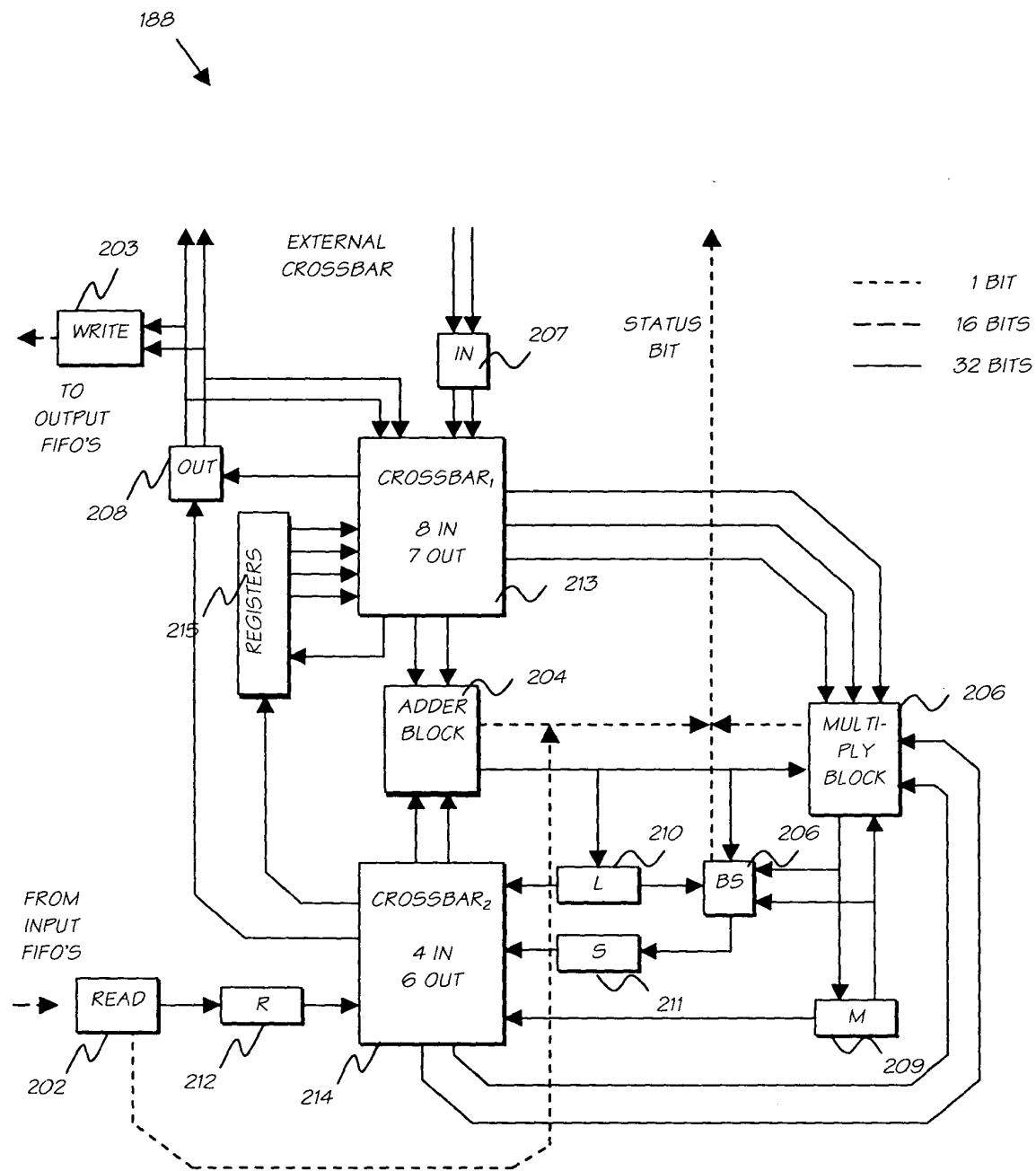


FIG. 5

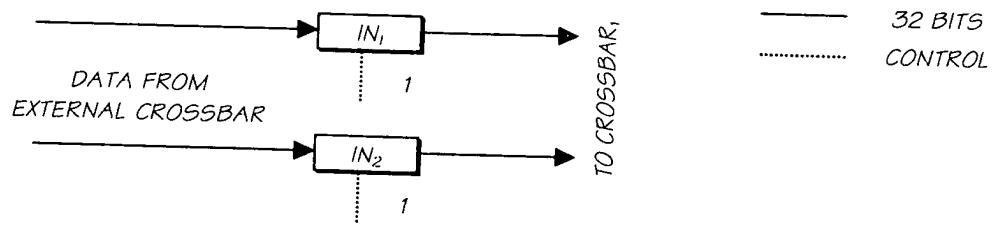


FIG. 6

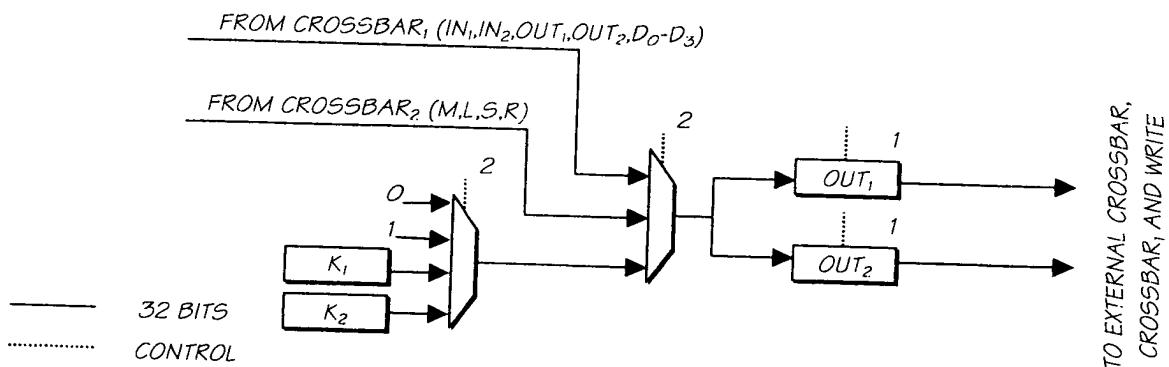


FIG. 7

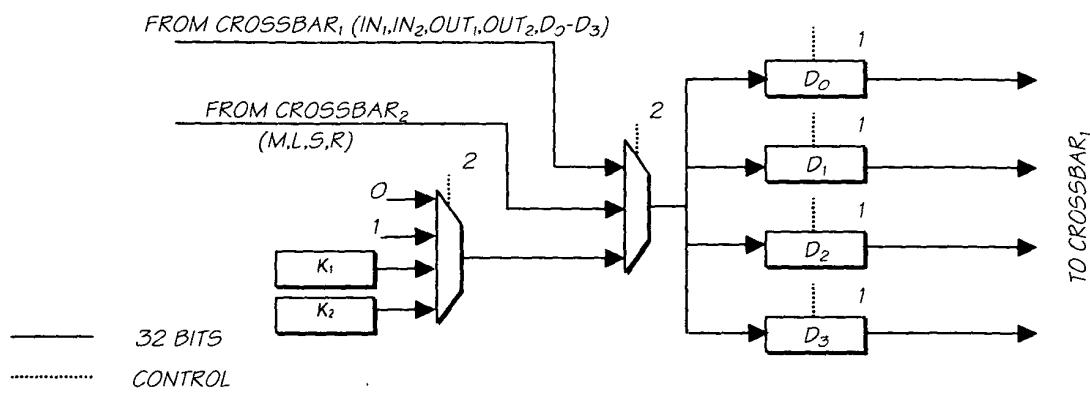


FIG. 8

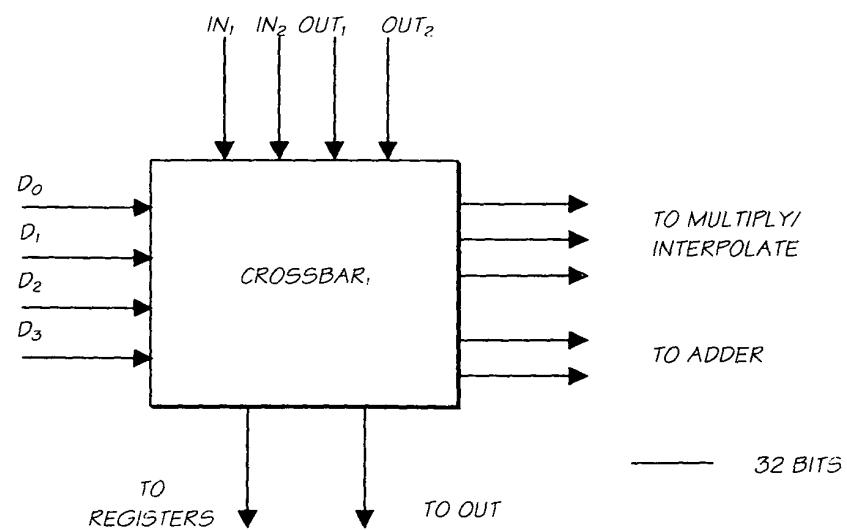


FIG. 9

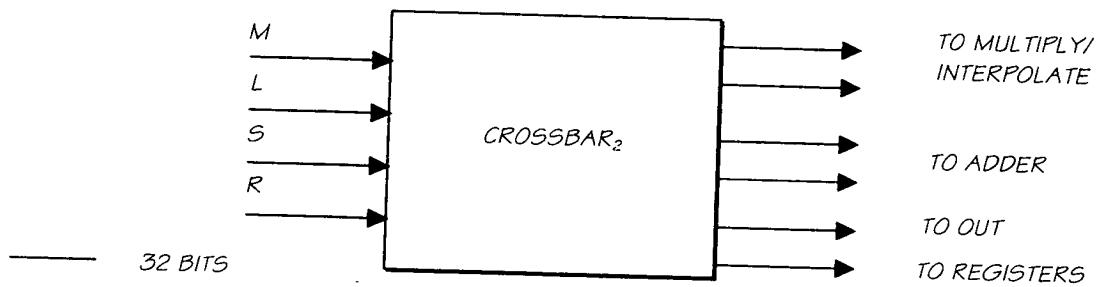


FIG. 10

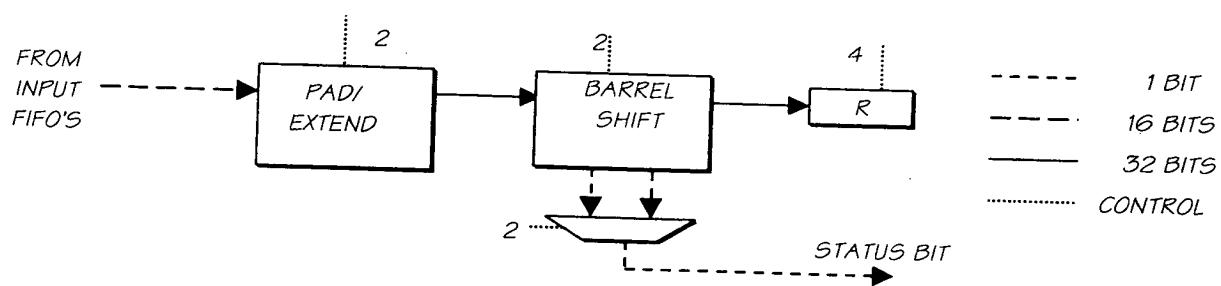


FIG. 11

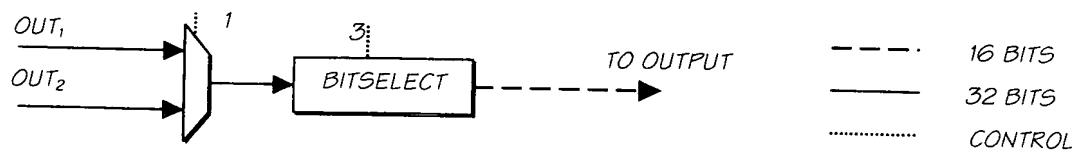


FIG. 12

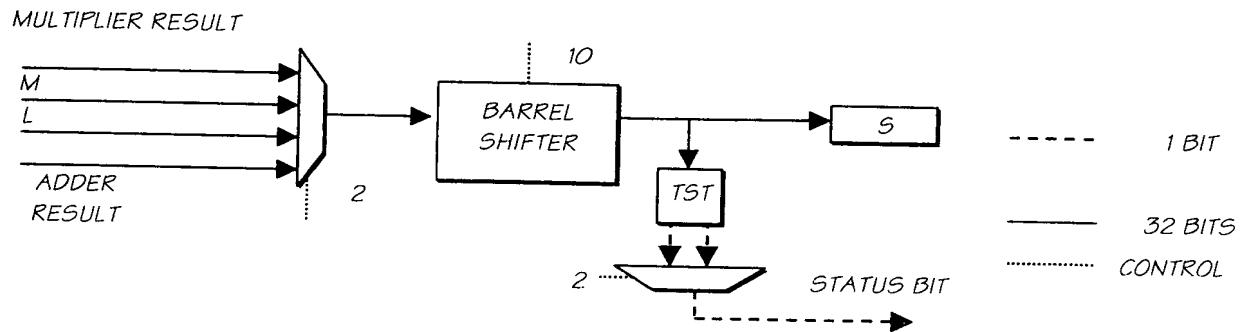


FIG. 13

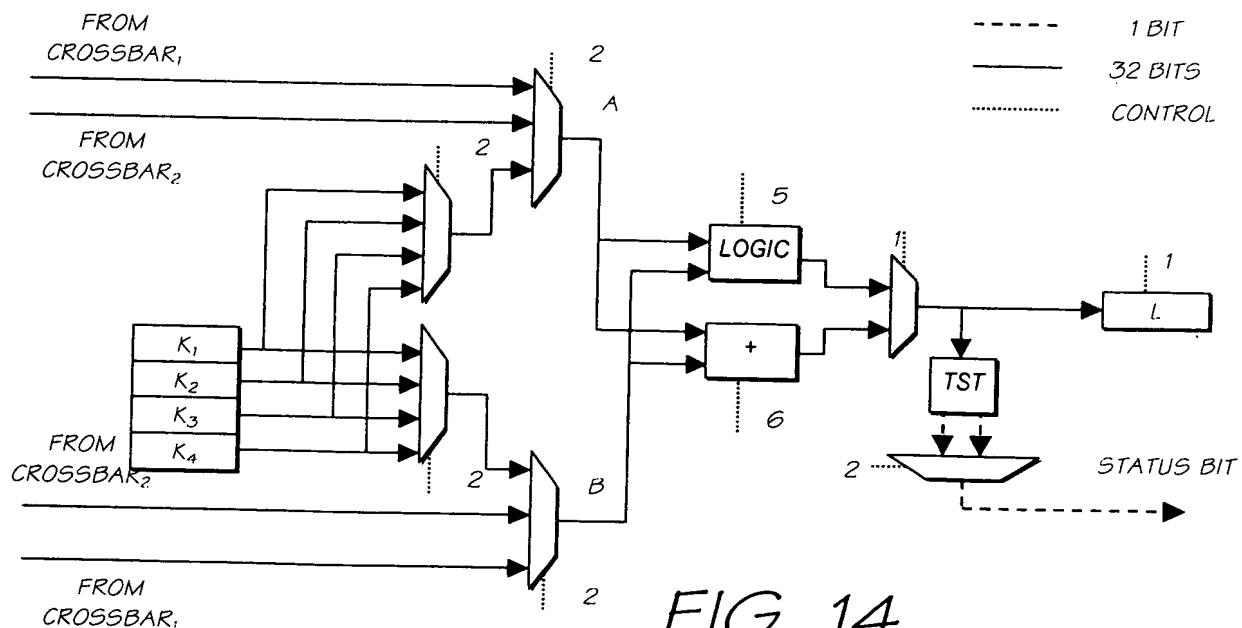


FIG. 14

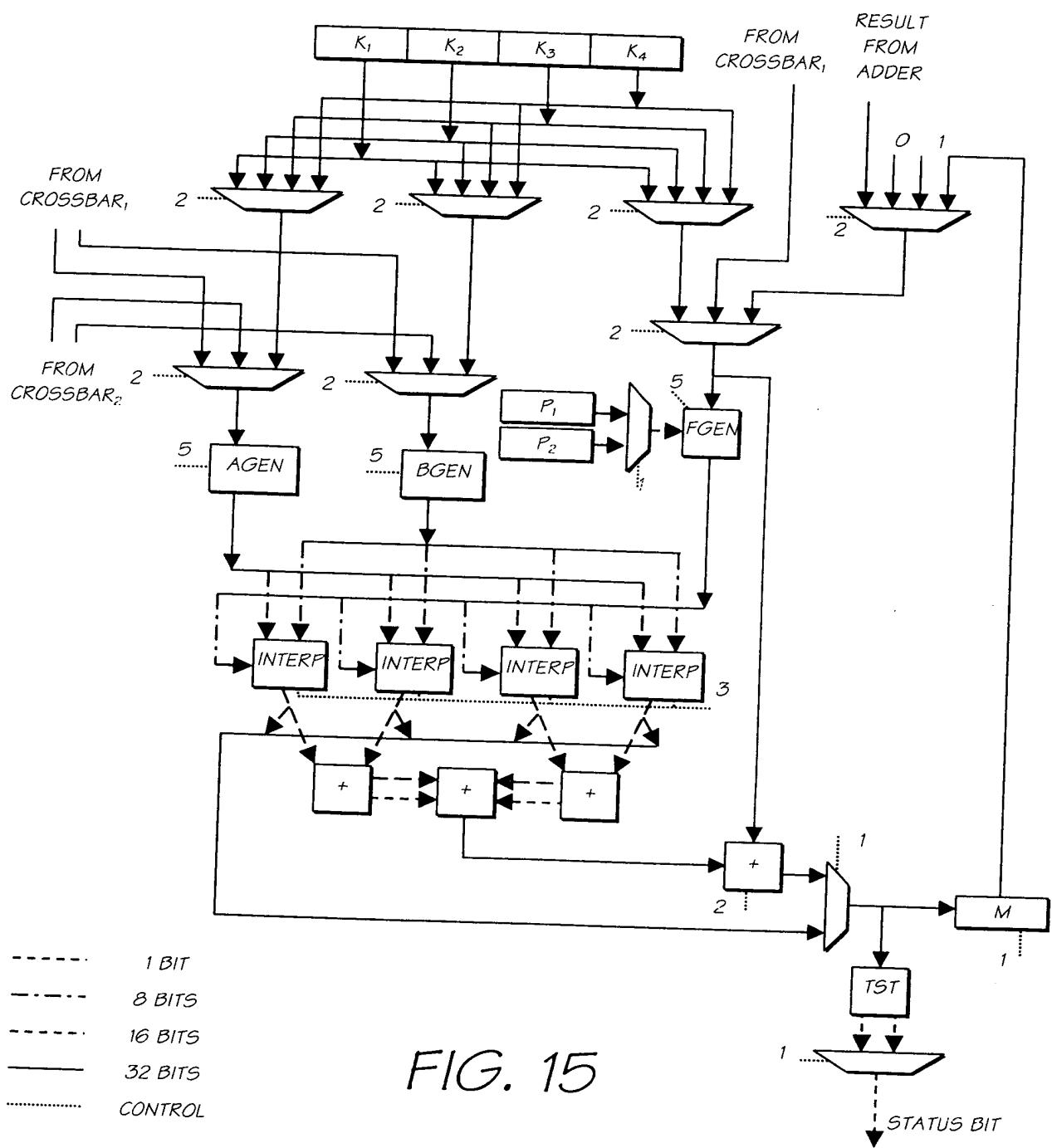


FIG. 15

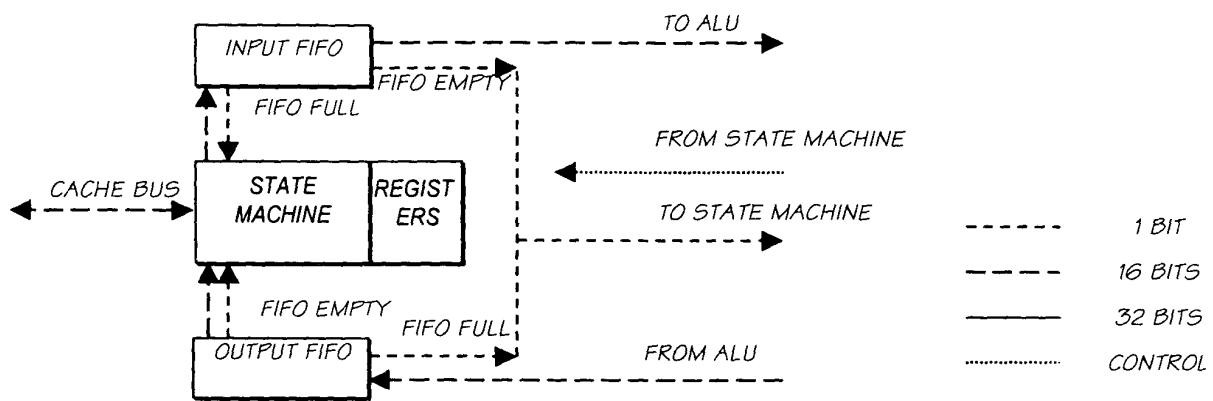


FIG. 16

ORDER OF PIXELS PRESENTED BY A SEQUENTIAL READ ITERATOR
ON A 4 X 2 IMAGE WITH PADDING.

0	1	2	3	
4	5	6	7	

FIG. 17

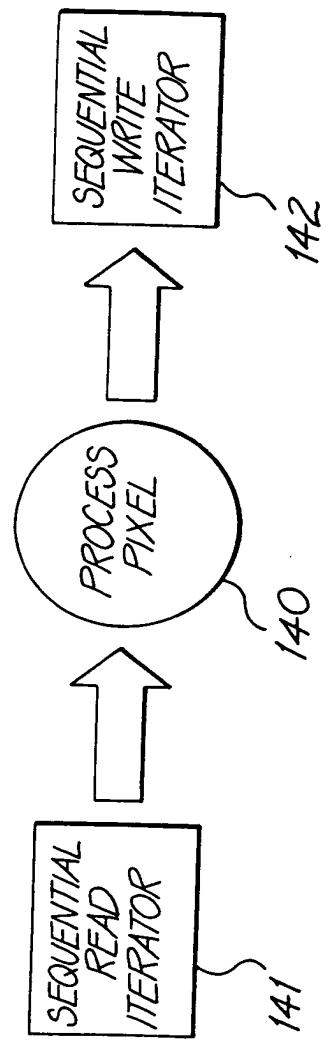
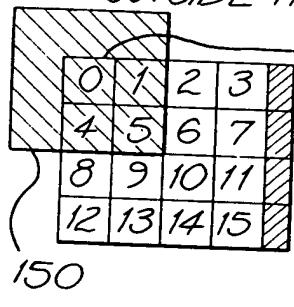


FIG. 18

A 3×3 BOX VIEW TRAVERSES THE PIXELS IN ORDER: 0,1,2,3,4,5,6,7,8 ETC.
PLACING A 3×3 BOX CENTERED OVER EACH PIXEL...

3×3 BOX VIEW OF FIRST PIXEL IN
IMAGE = 9 PIXELS, 5 OF WHICH
ARE OUTSIDE THE IMAGE

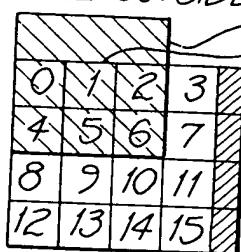


151
152
153

FIRST 9 PIXELS FROM THE
BOX READ ITERATOR:

IF DUPLICATION OF EDGE PIXELS IS ON:
0,0,0,0,0,1,4,4,5
IF DUPLICATION OF EDGE PIXELS IS OFF:
V,V,V,V,0,1,V,4,5
WHERE V IS CONSTANT
"OUTSIDE IMAGE" PIXEL VALUE

3×3 BOX VIEW OF SECOND PIXEL IN
IMAGE = 9 PIXELS, 3 OF WHICH
ARE OUTSIDE THE IMAGE



155
156

SECOND 9 PIXELS FROM THE
BOX READ ITERATOR:

IF DUPLICATION OF EDGE PIXELS IS ON:
0,1,2,0,1,2,4,5,6
IF DUPLICATION OF EDGE PIXELS IS OFF:
V,V,V,0,1,2,4,5,6
WHERE V IS CONSTANT
"OUTSIDE IMAGE" PIXEL VALUE

FIG. 19

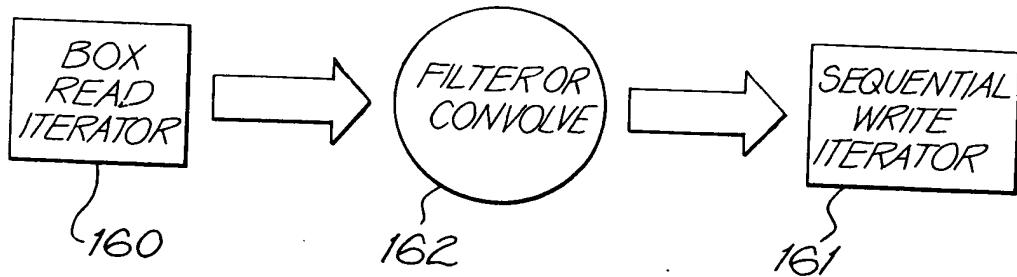


FIG. 20

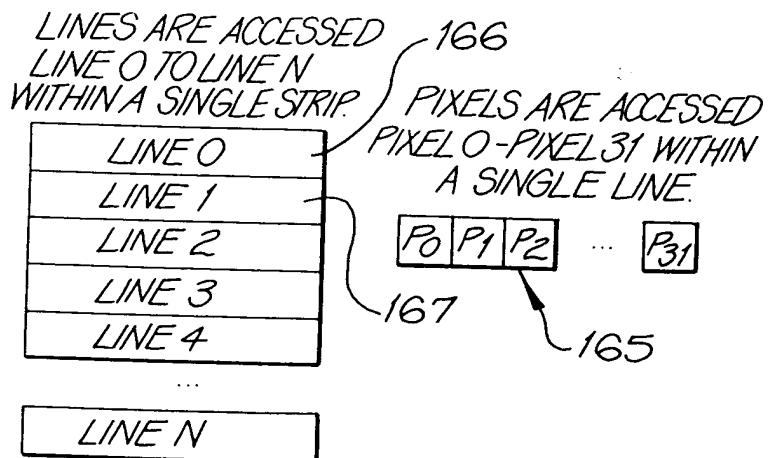
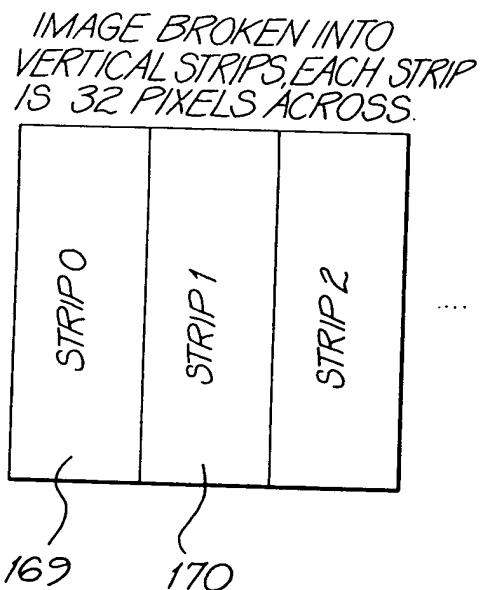


FIG. 21

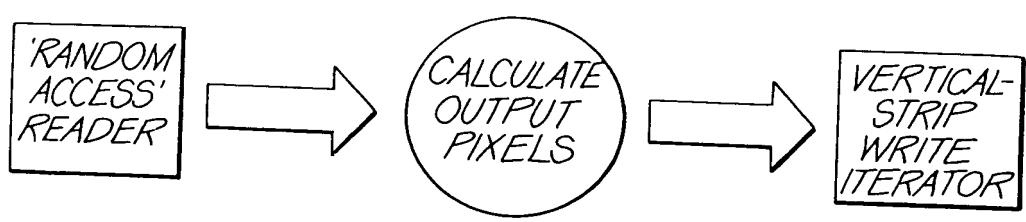


FIG. 22

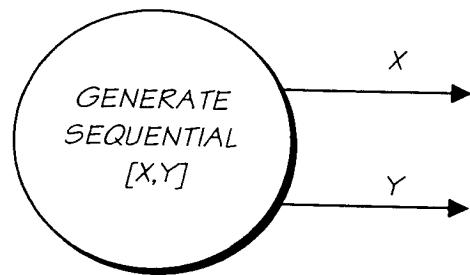


FIG. 23

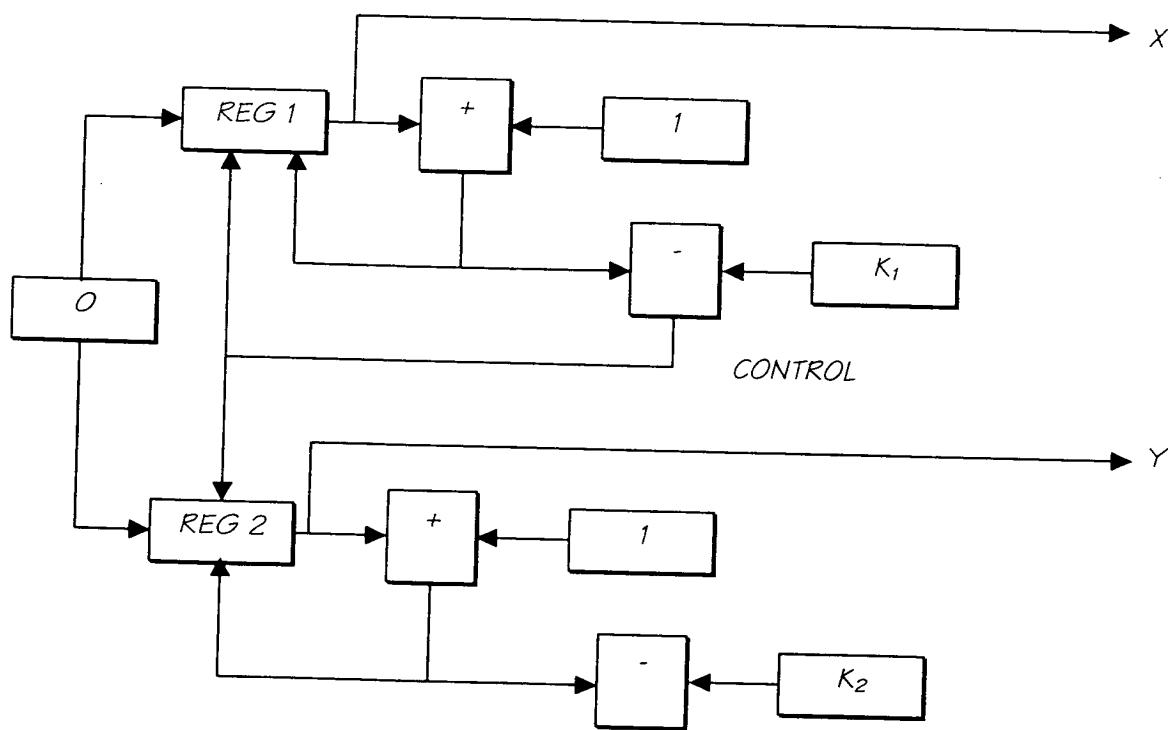


FIG. 24

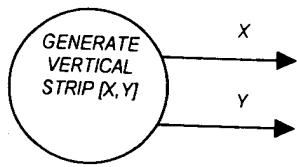


FIG. 25

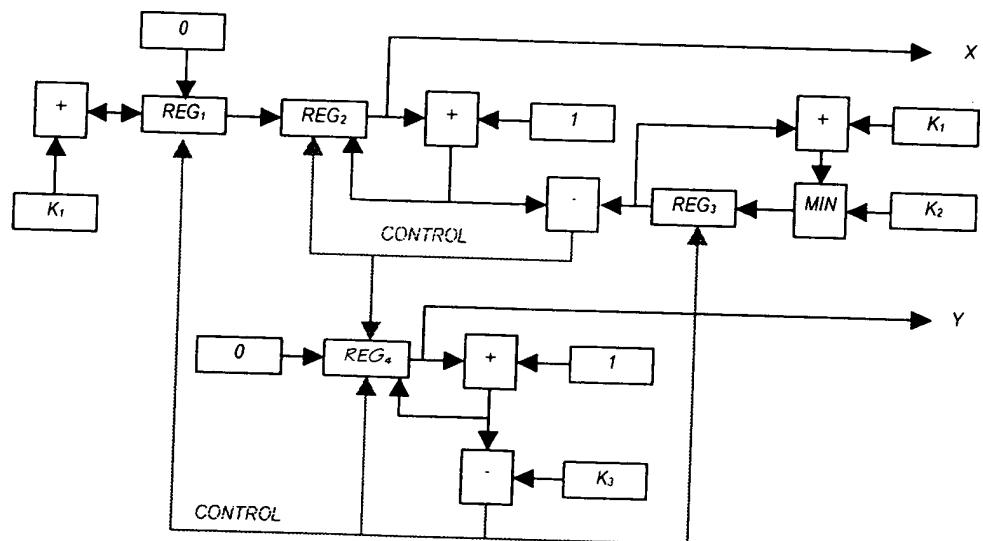
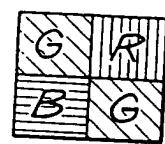


FIG. 26



2x2 PIXEL BLOCK FROM CCD

FIG. 27

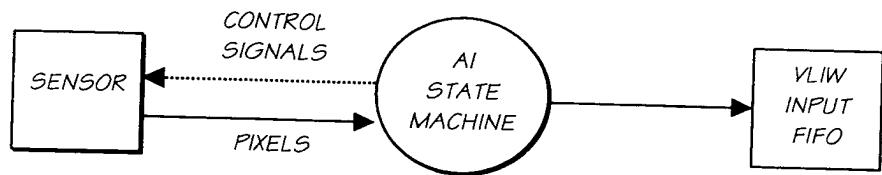


FIG. 28

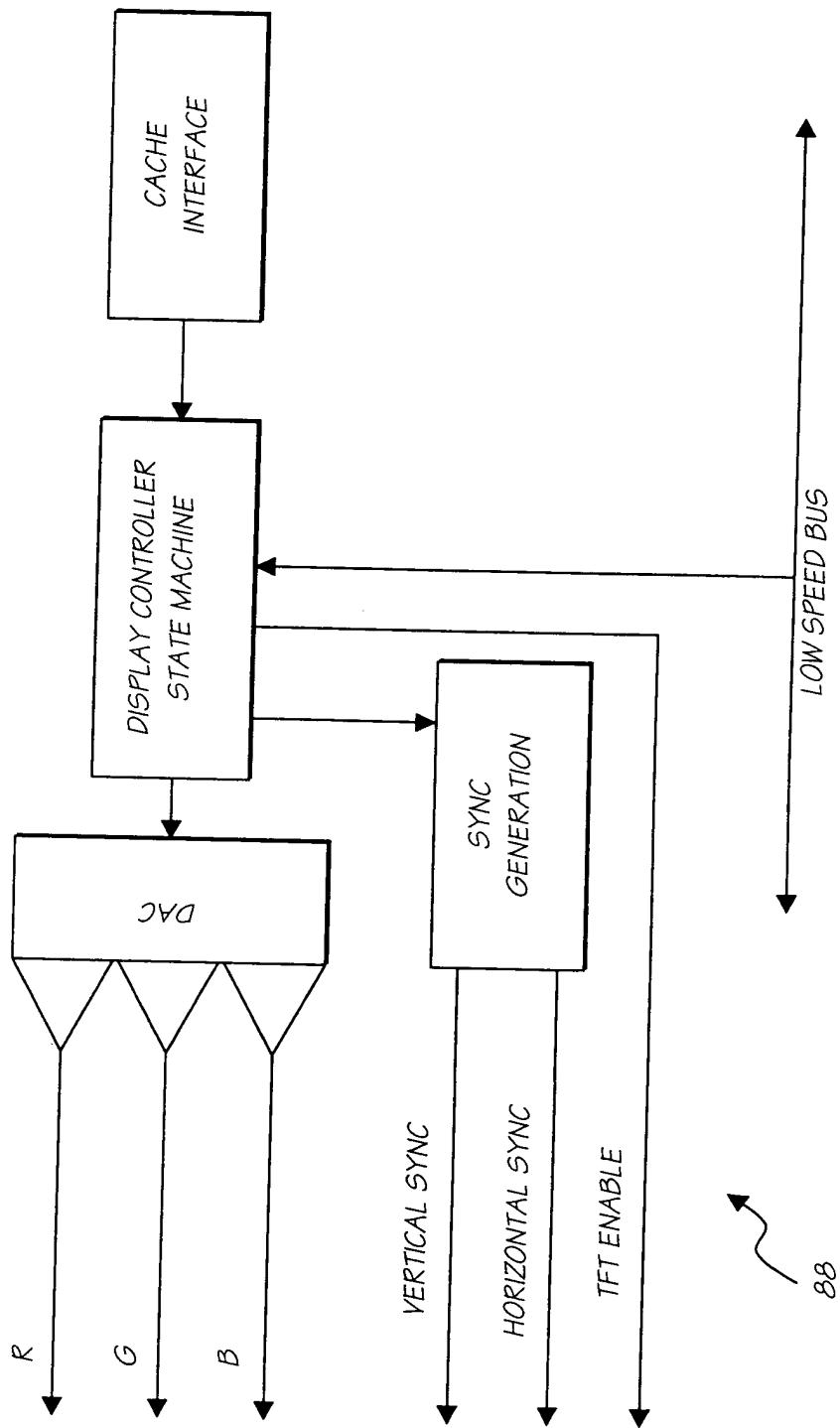
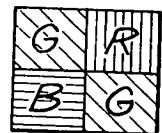


FIG. 29



2x2 PIXEL BLOCK FROM CCD

FIG. 30

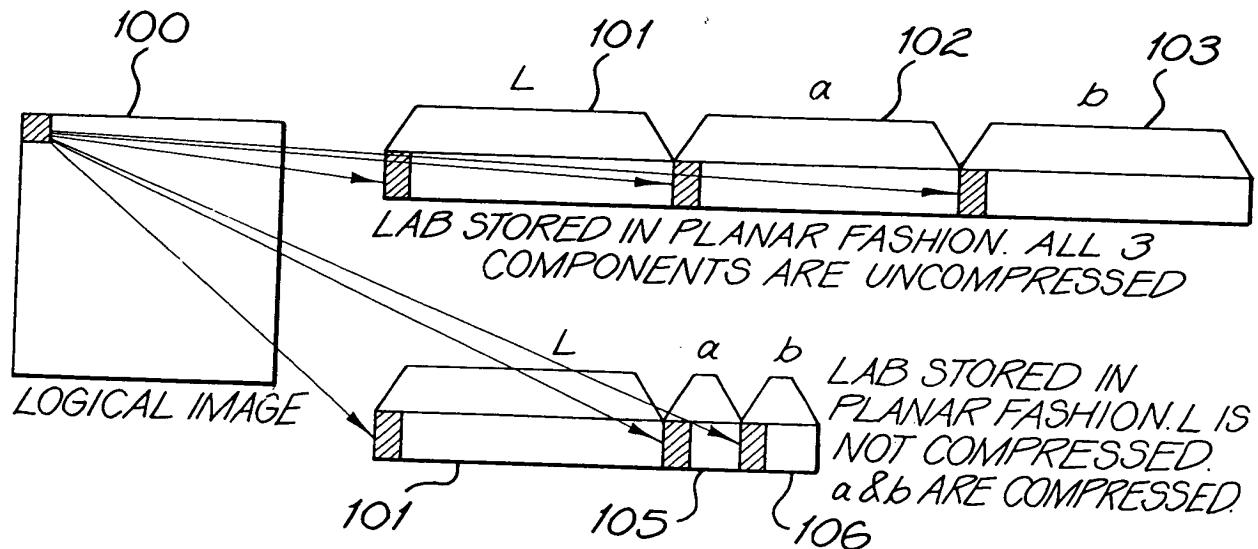


FIG. 31

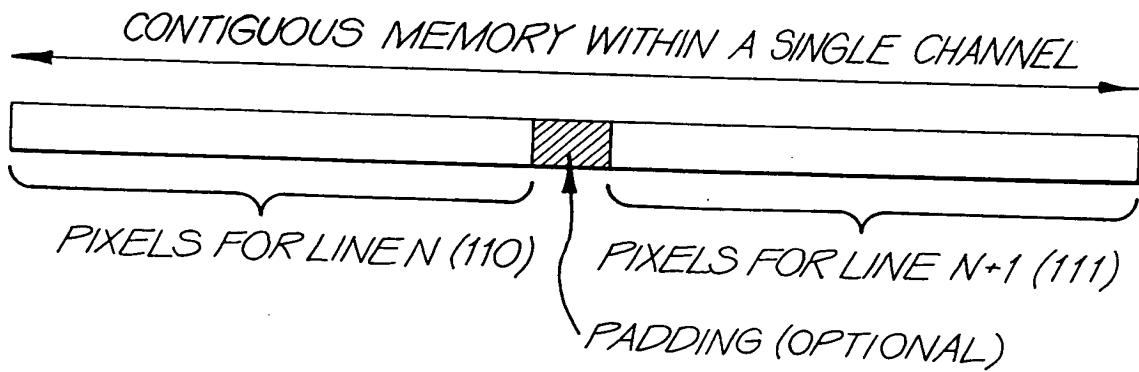


FIG. 32

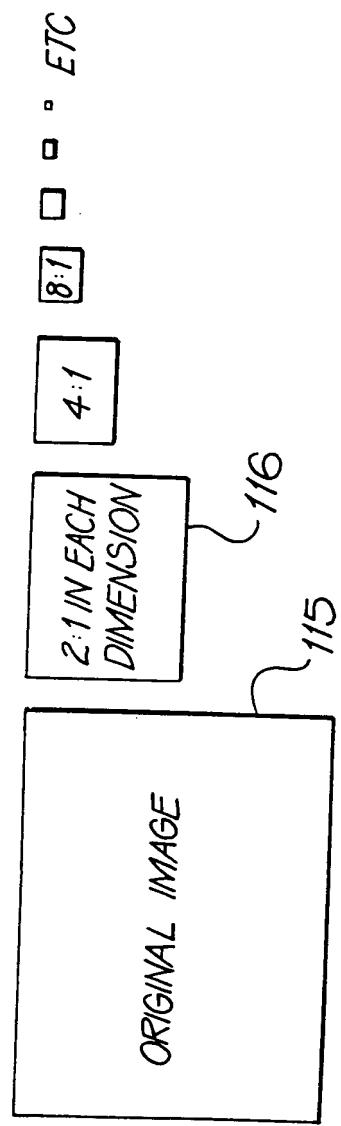


FIG. 33

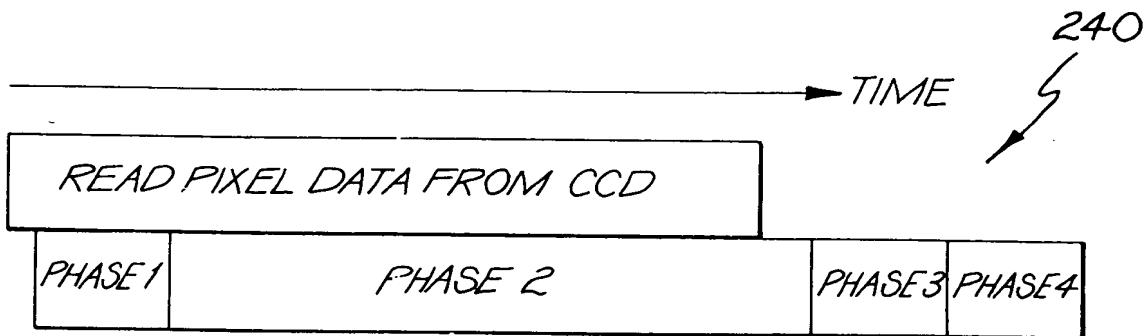


FIG. 34

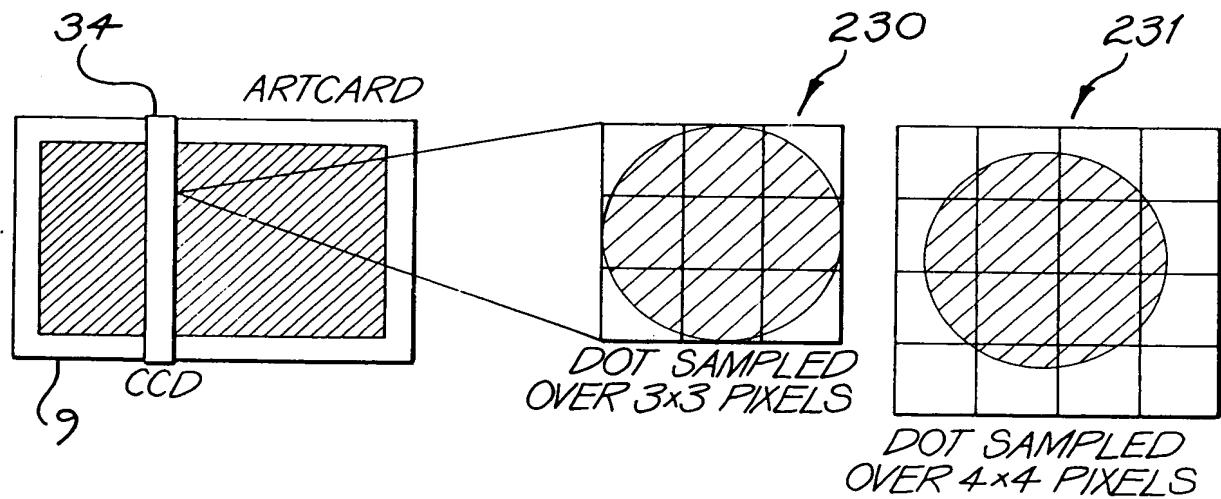


FIG. 35

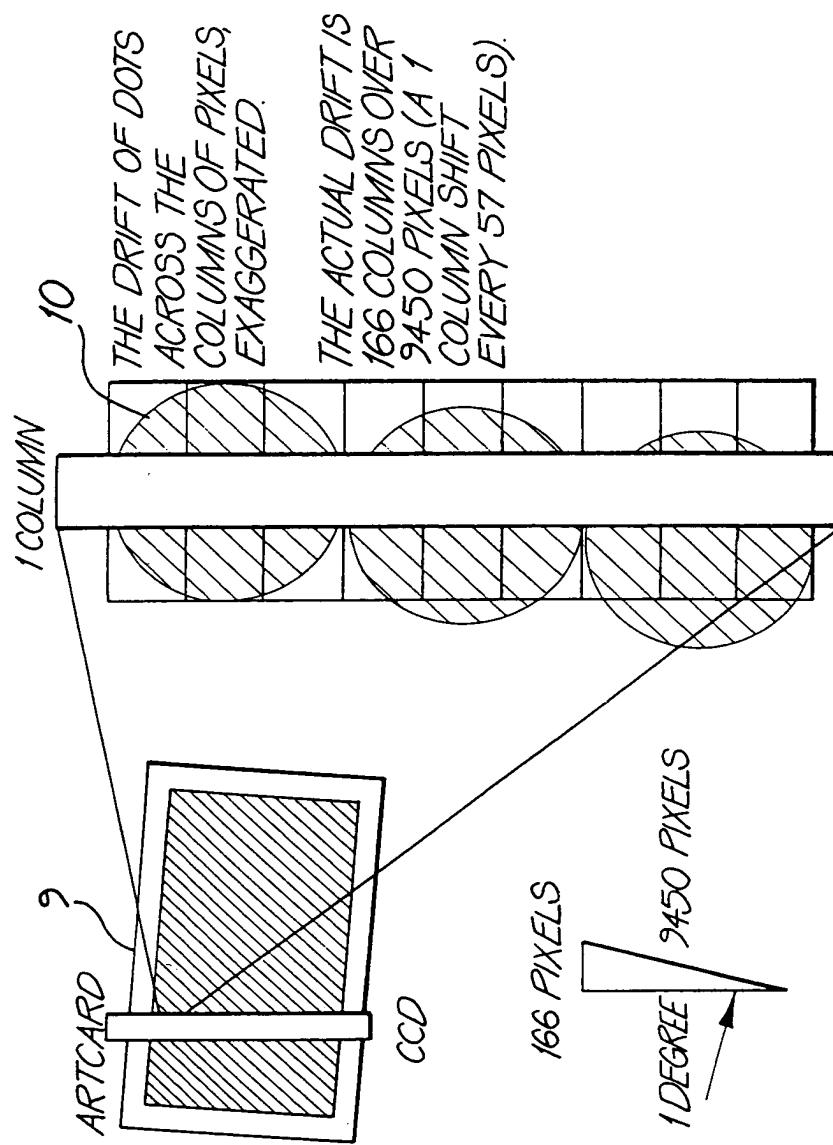
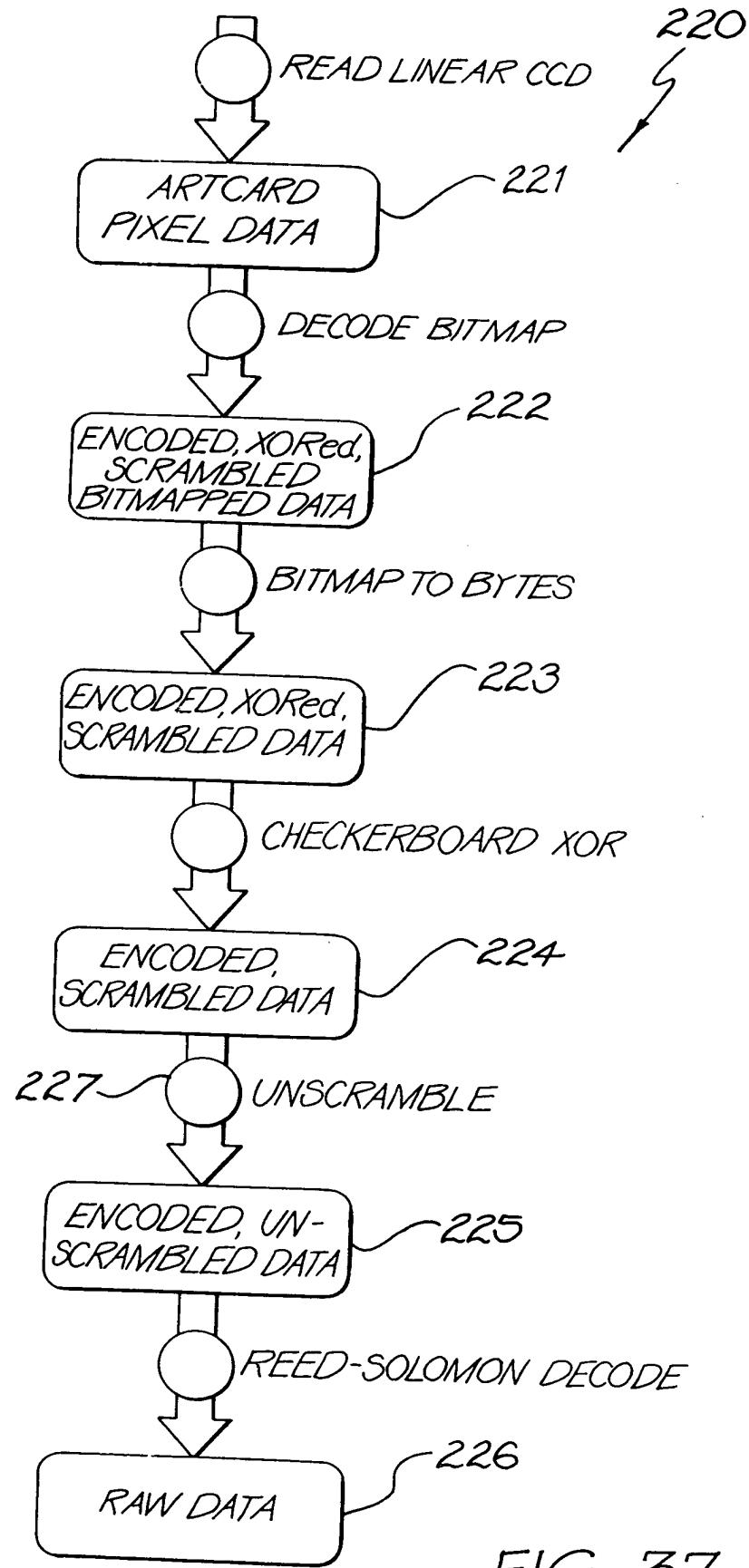


FIG. 36



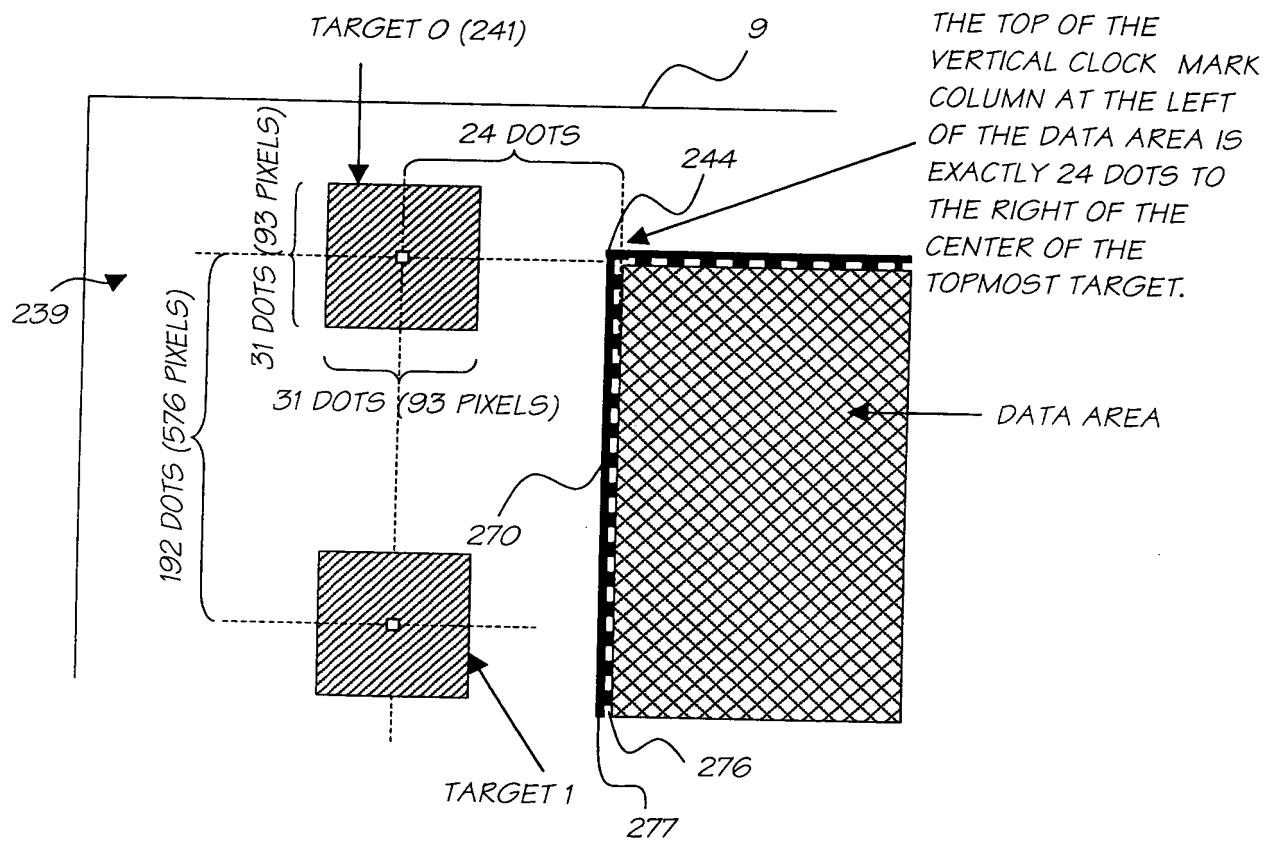


FIG. 38

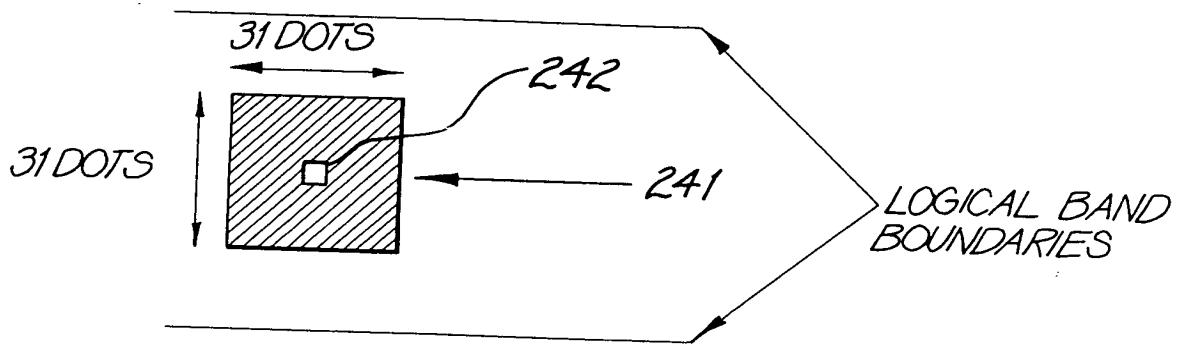


FIG. 39

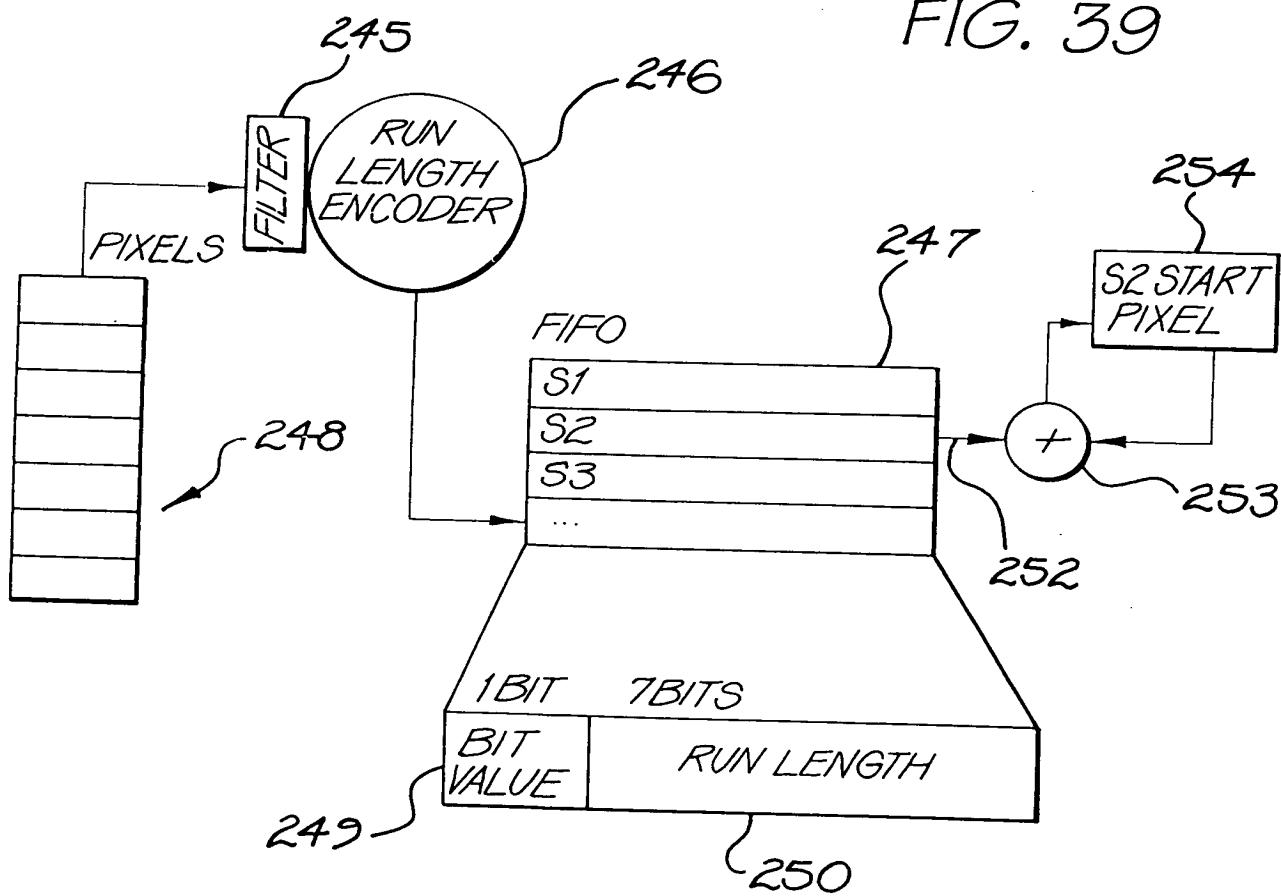


FIG. 40

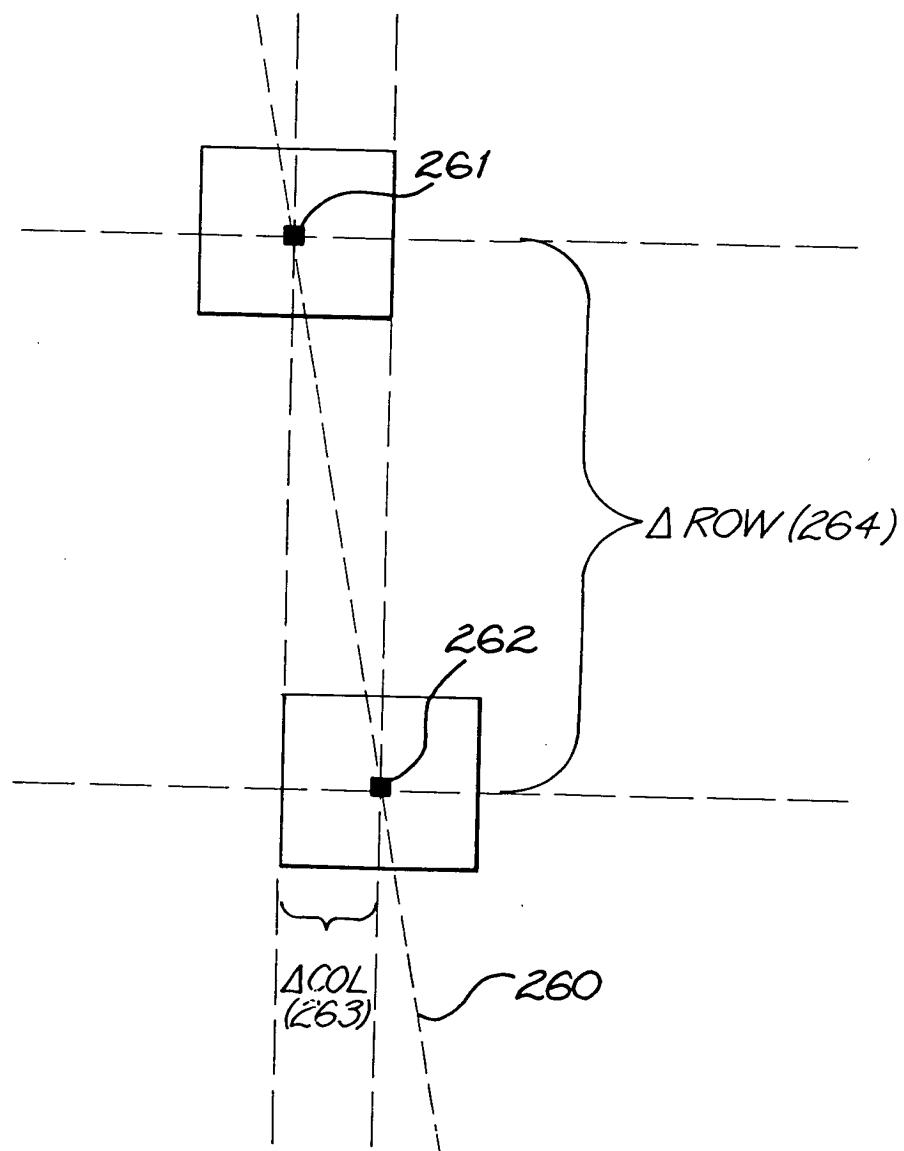
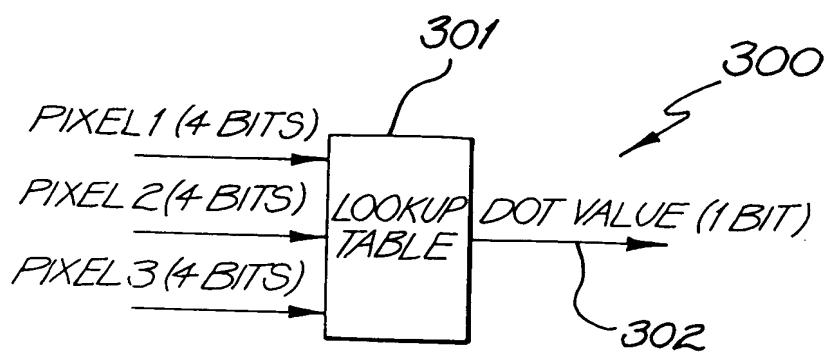
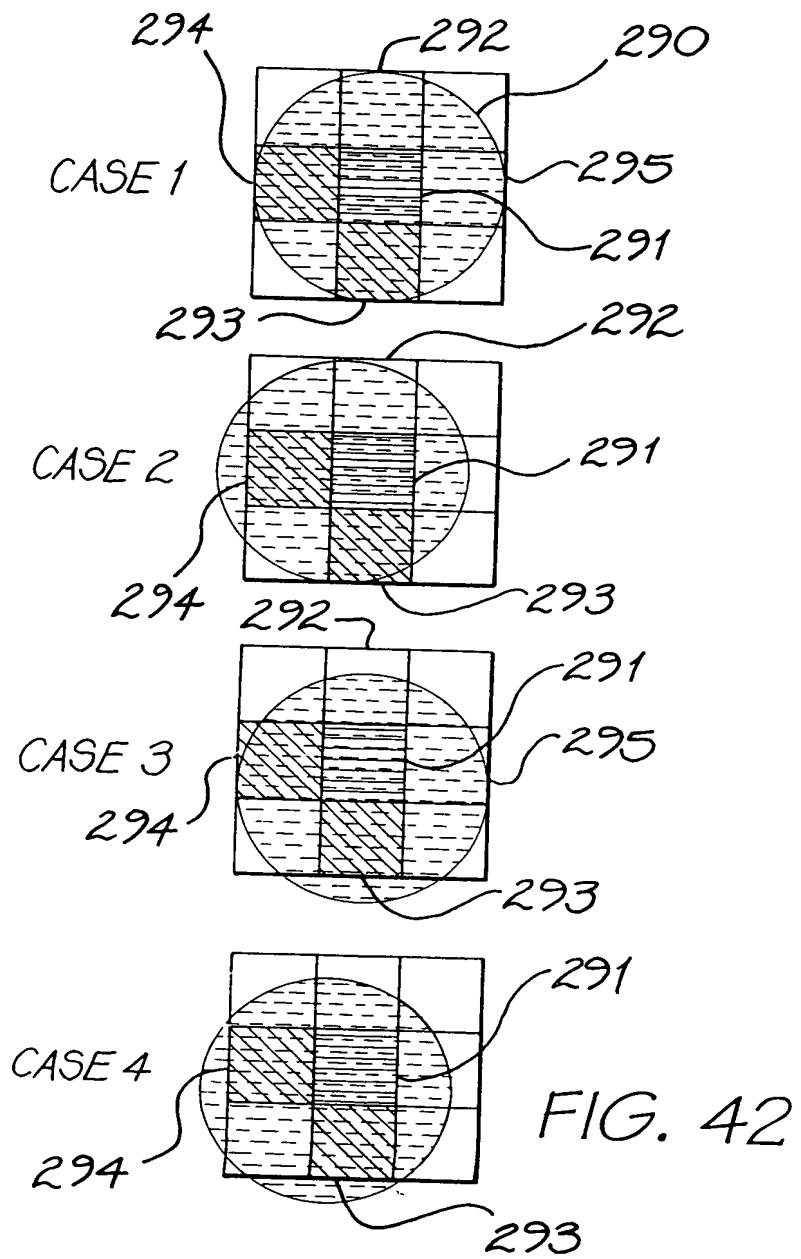


FIG. 41



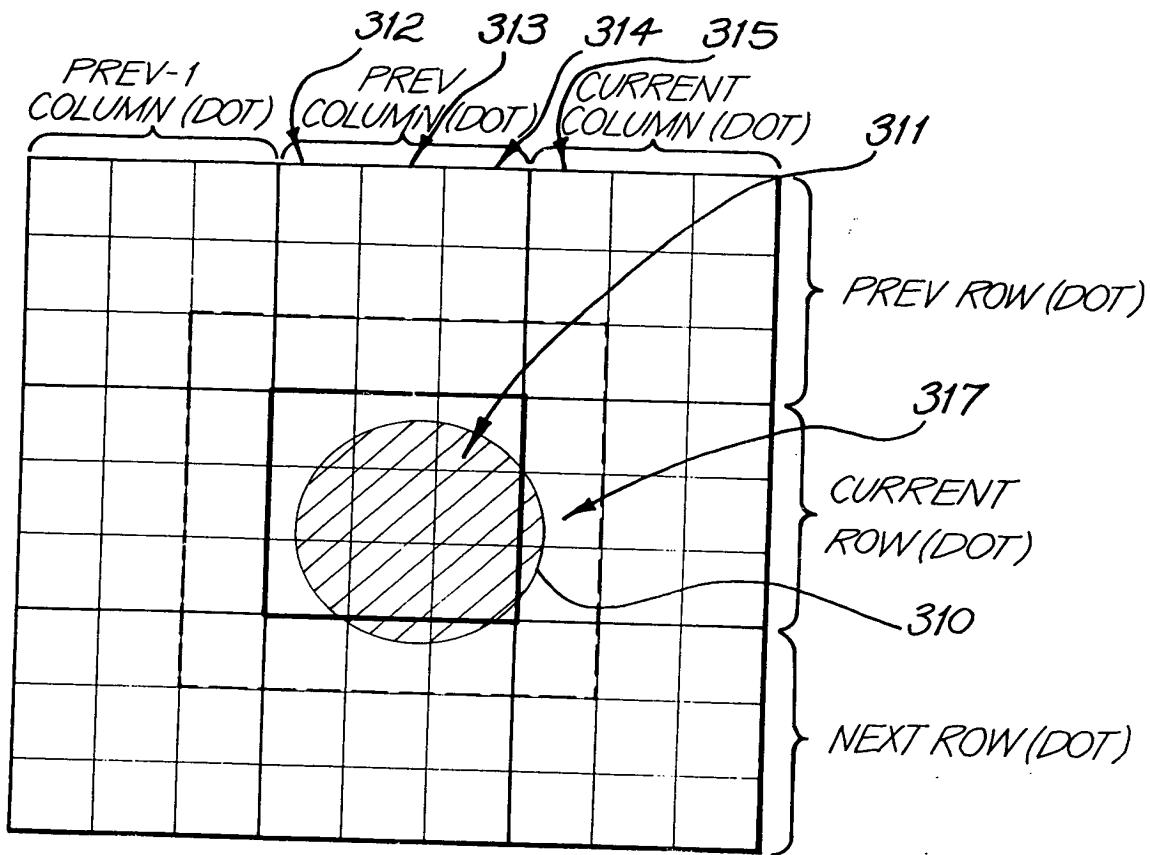


FIG. 44

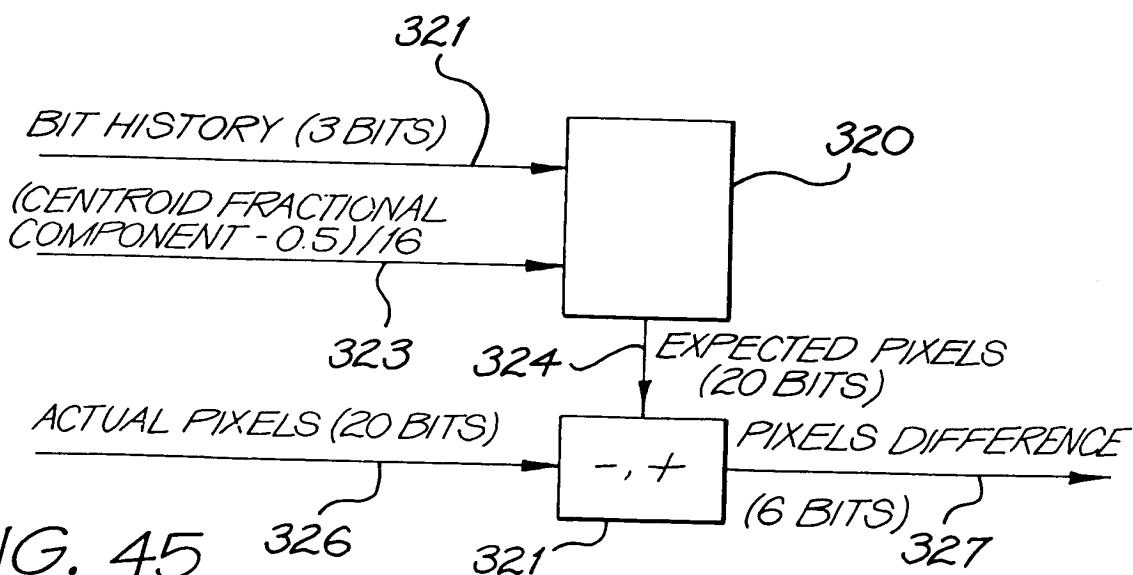


FIG. 45 326 321

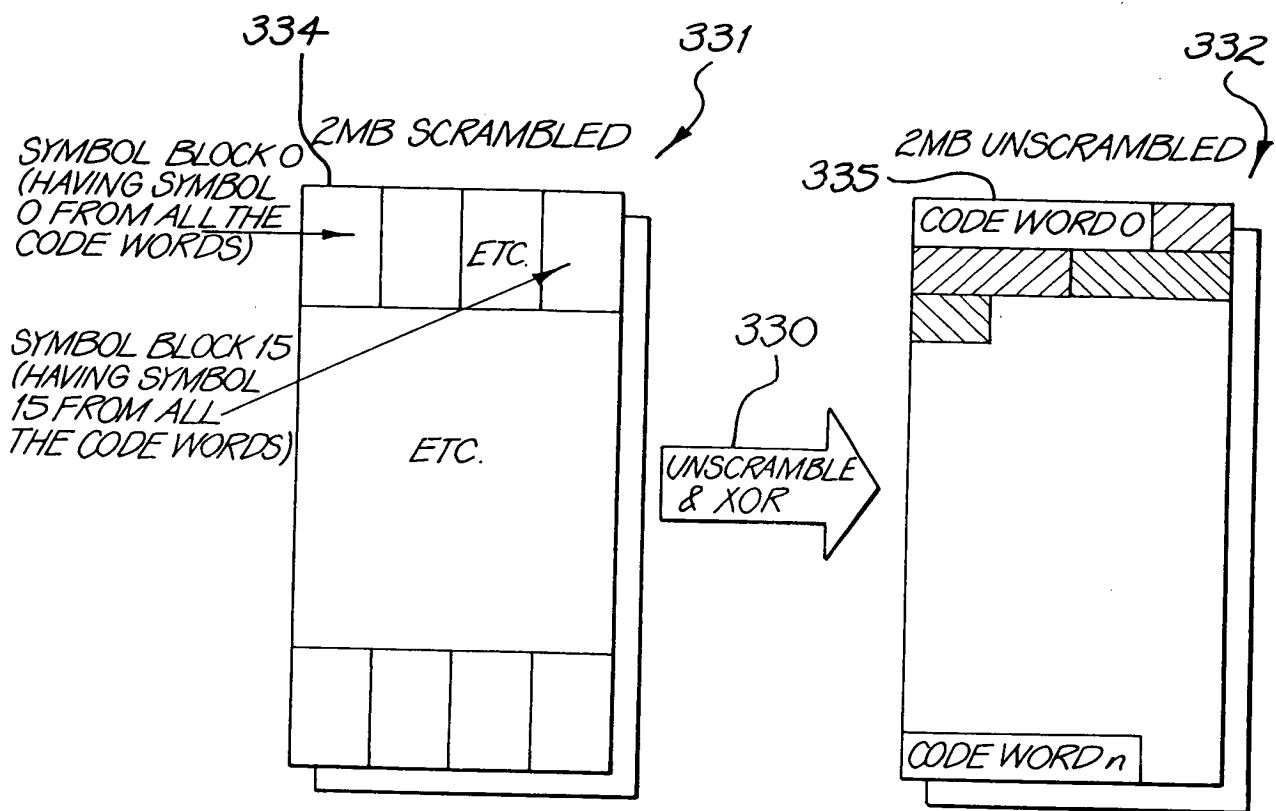


FIG. 46

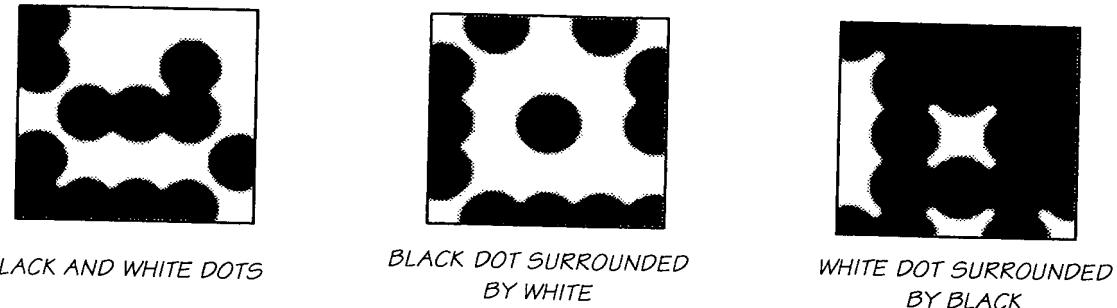


FIG. 47

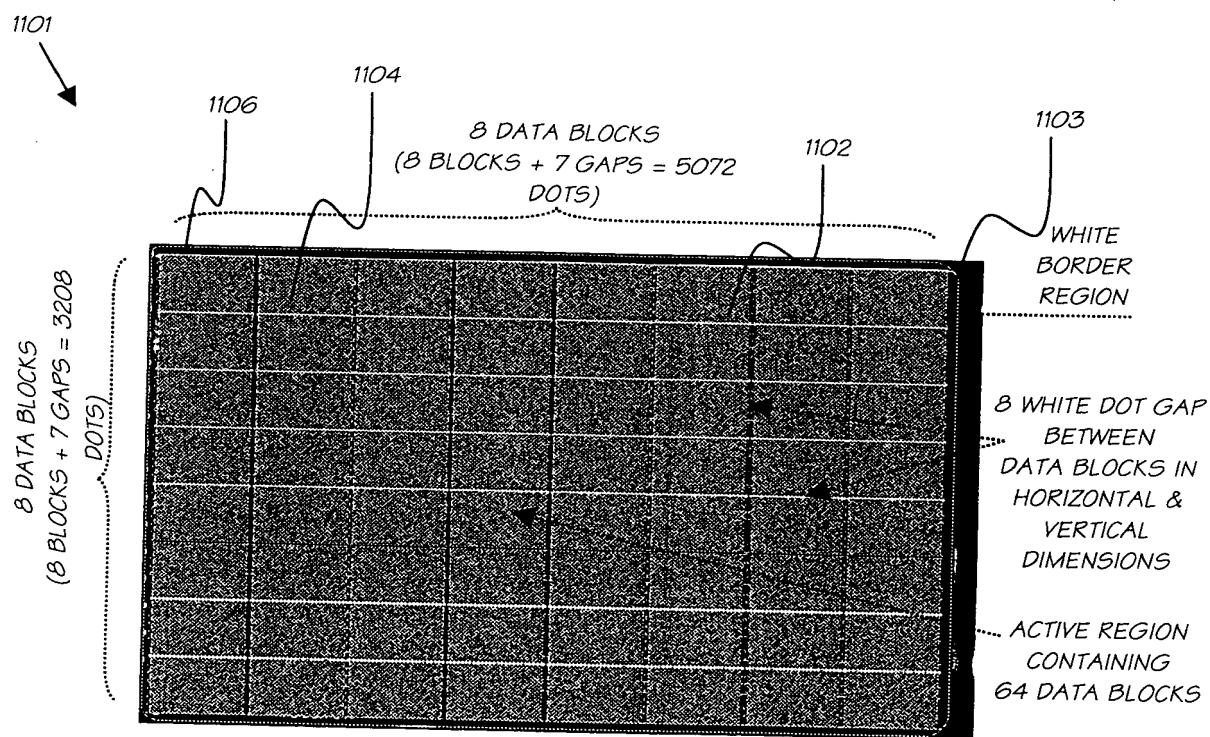


FIG. 48

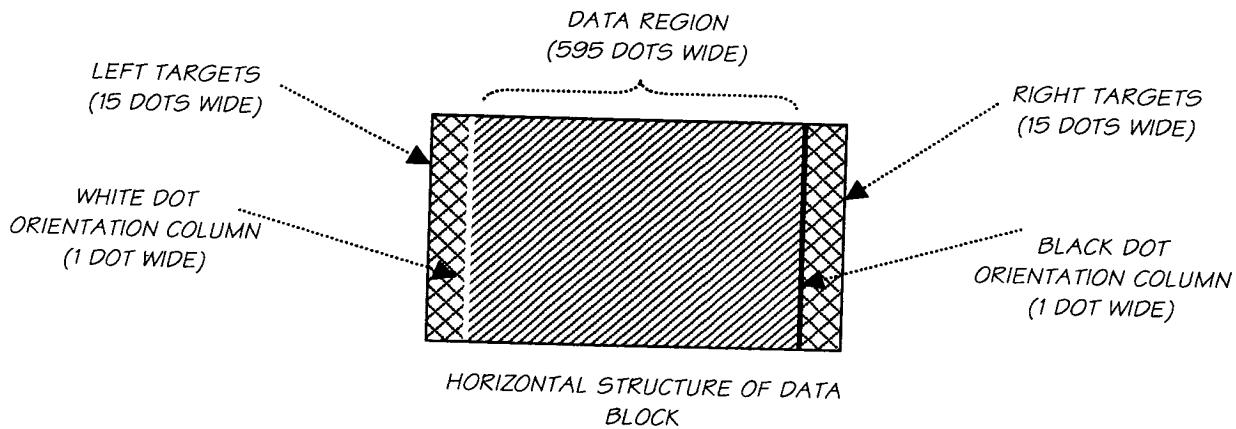
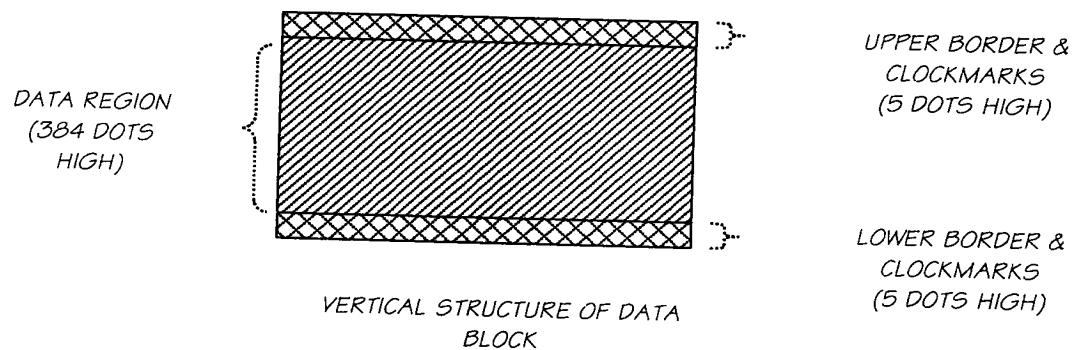
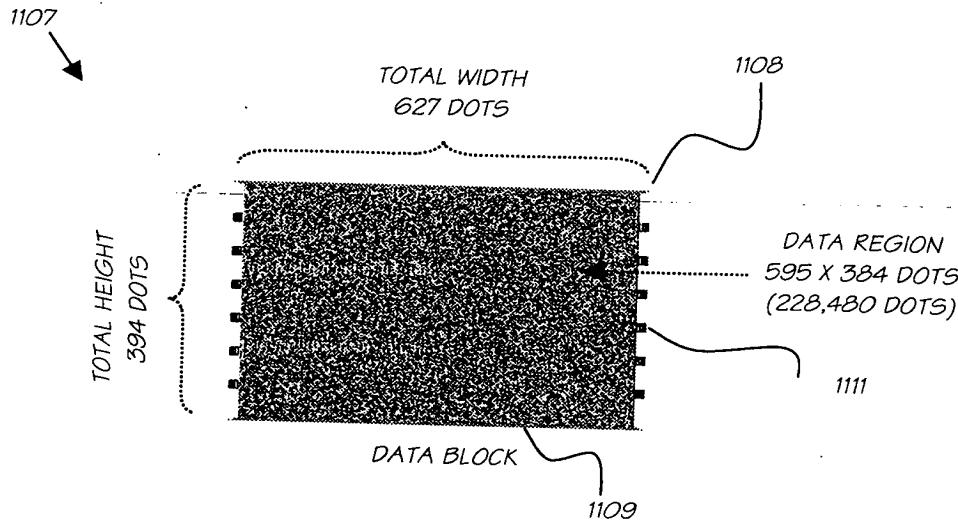
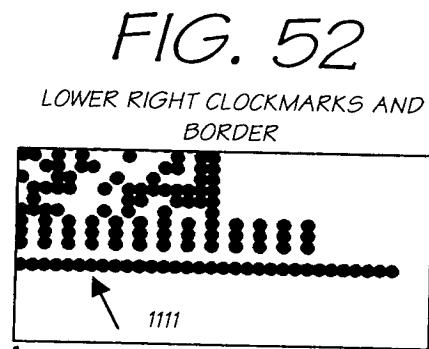
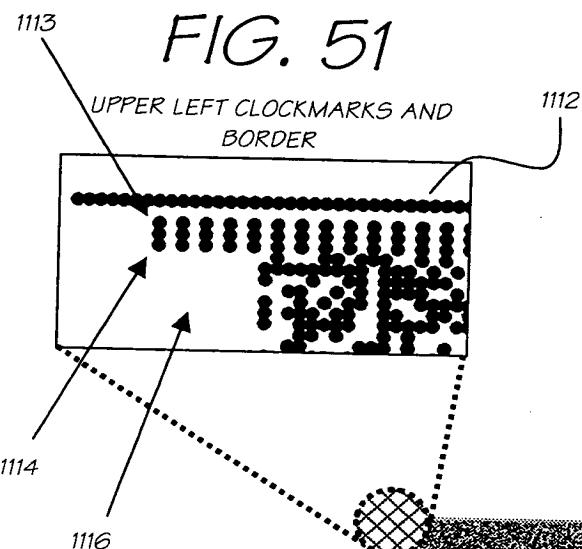


FIG. 49



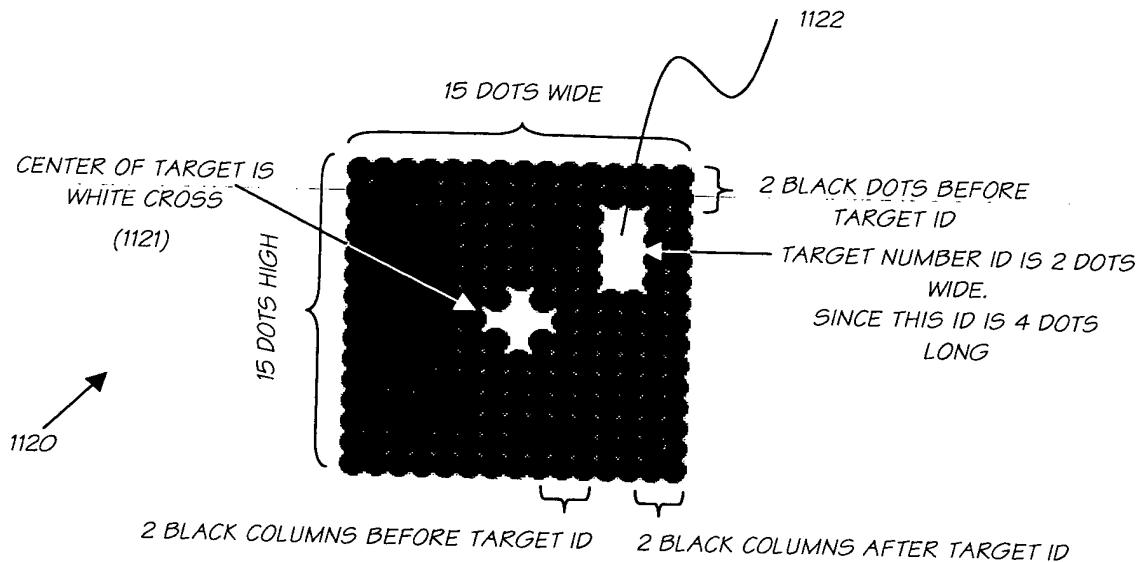


FIG. 53

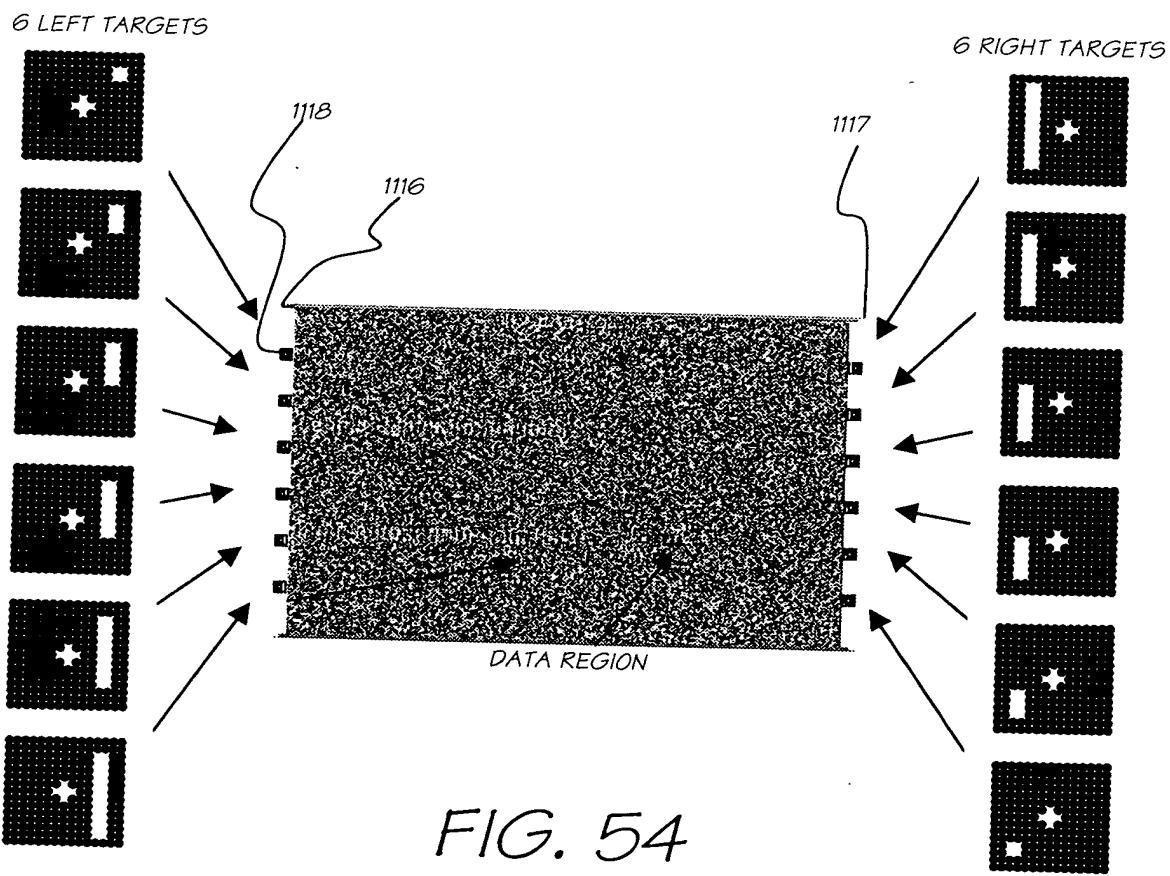


FIG. 54

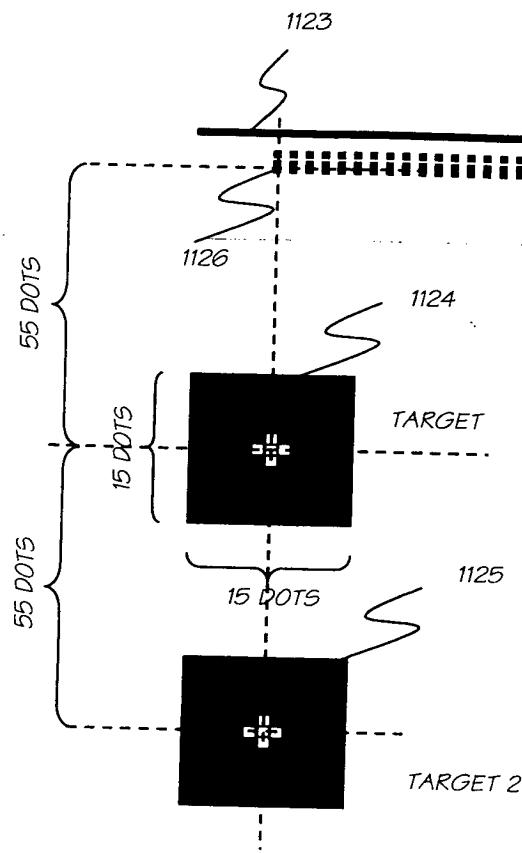


FIG. 55

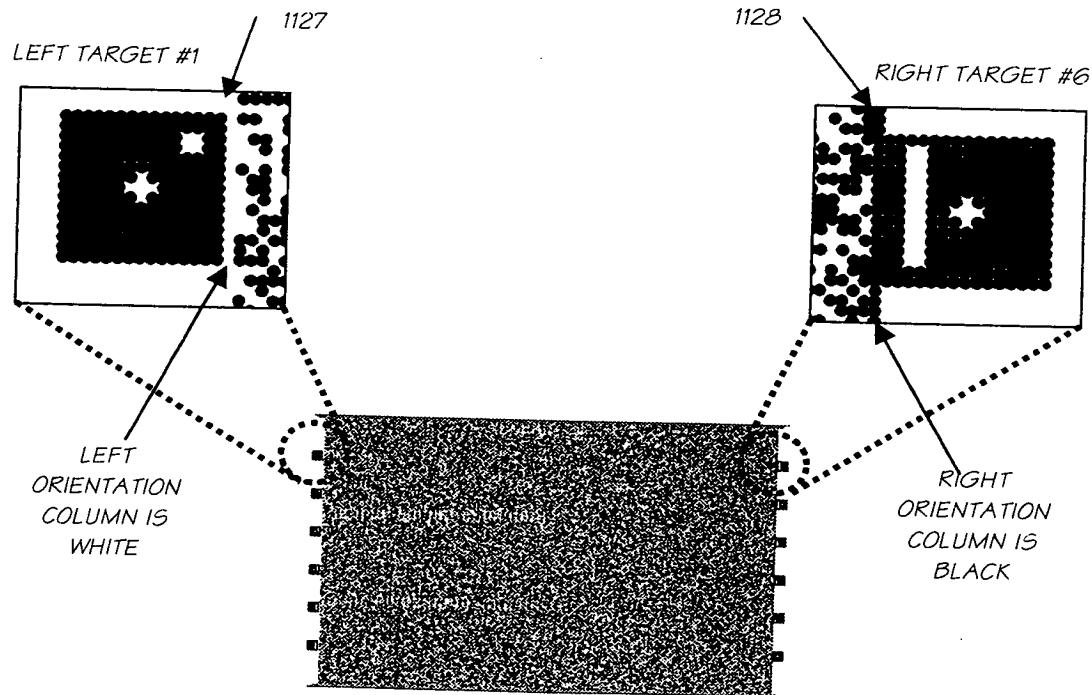


FIG. 56

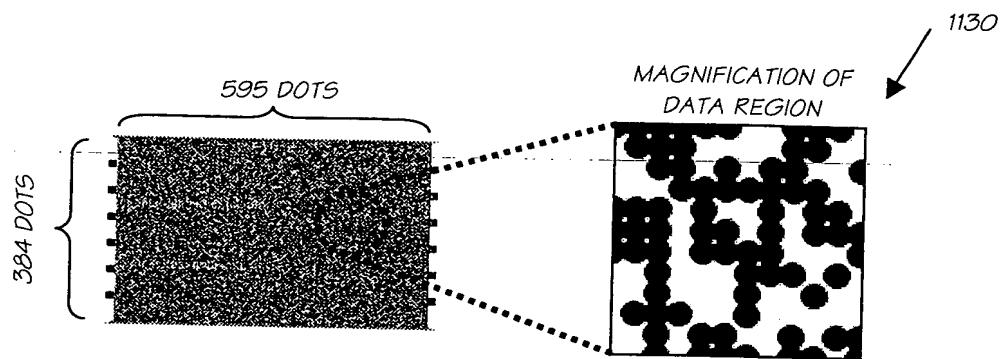


FIG. 57

00:	4F 00 3D
0C:	4F 00 3D
18:	4F 00 3D
24:	4F 00 3D
30:	4F 00 3D
3C:	4F 00 3D
48:	4F 00 3D
54:	4F 00 3D
60:	00 00 00 00 00 00 00 00 00 00 00 00 00 00
6C:	00 00 00 00 00 00 00 00 00 00 00 00 00 00
78:	00 00 00 00 00 00 00 00 00 00 00 00 00 00

32 COPIES OF THE 3 BYTE CONTROL INFORMATION

RESERVED BYTES ARE 0

FIG. 59

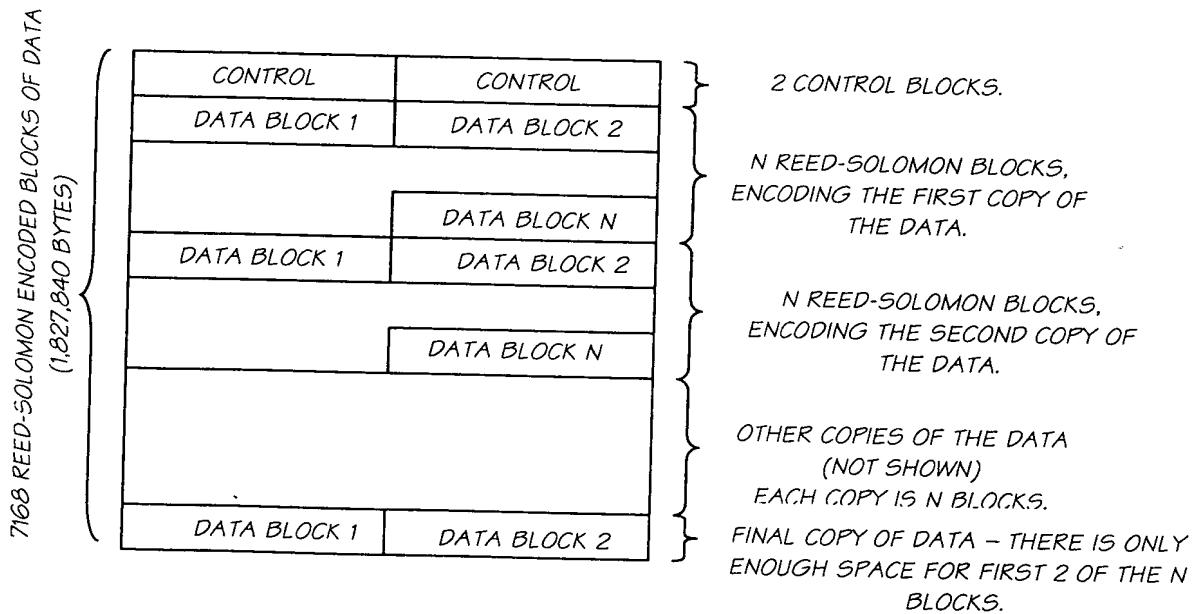


FIG. 58

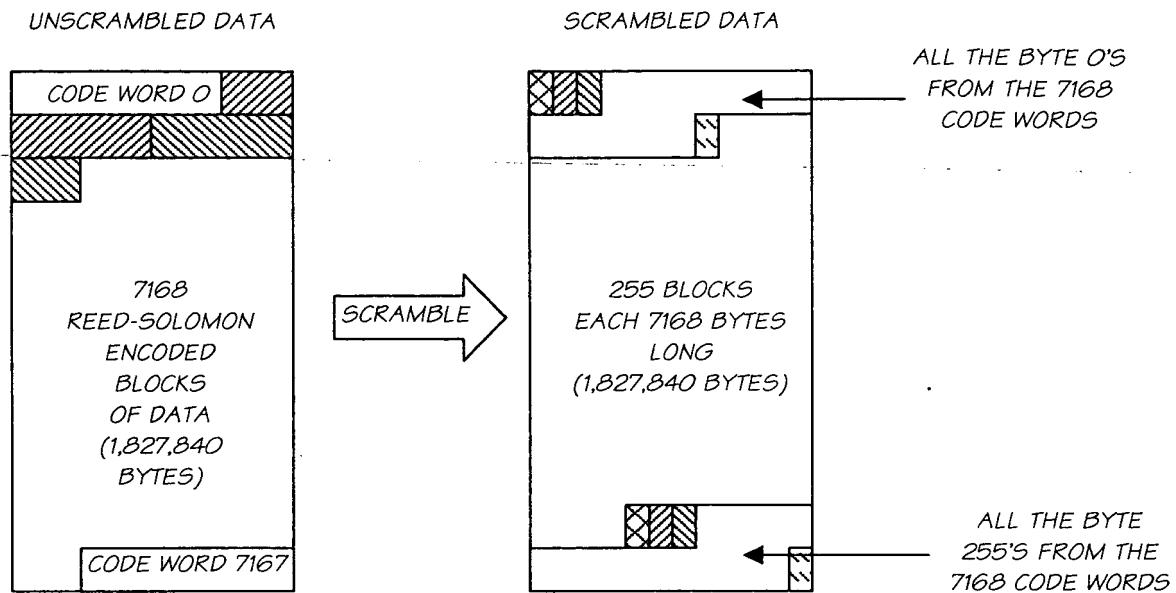


FIG. 60

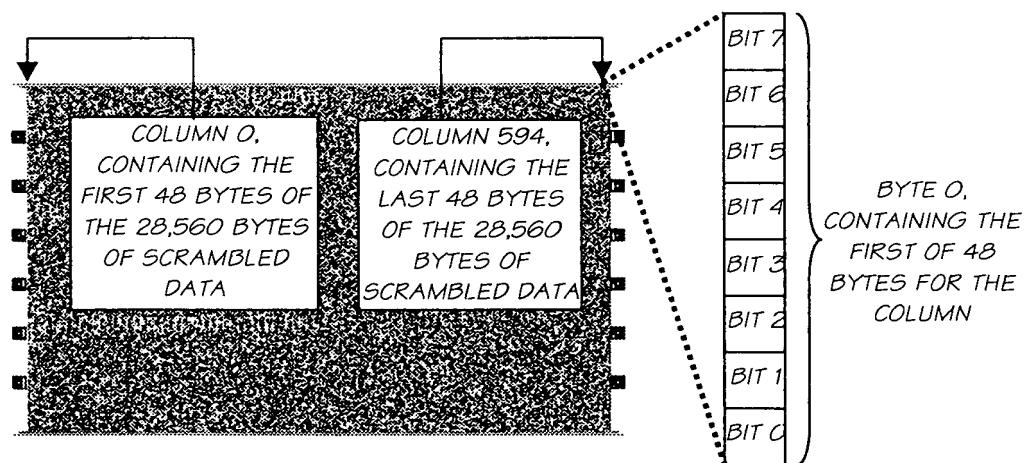


FIG. 61

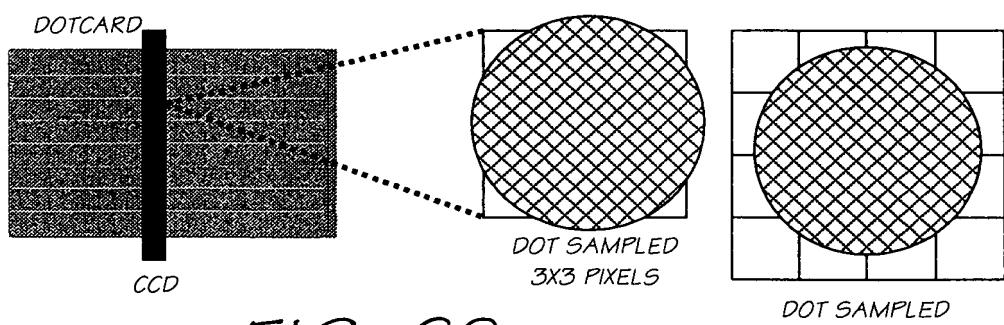
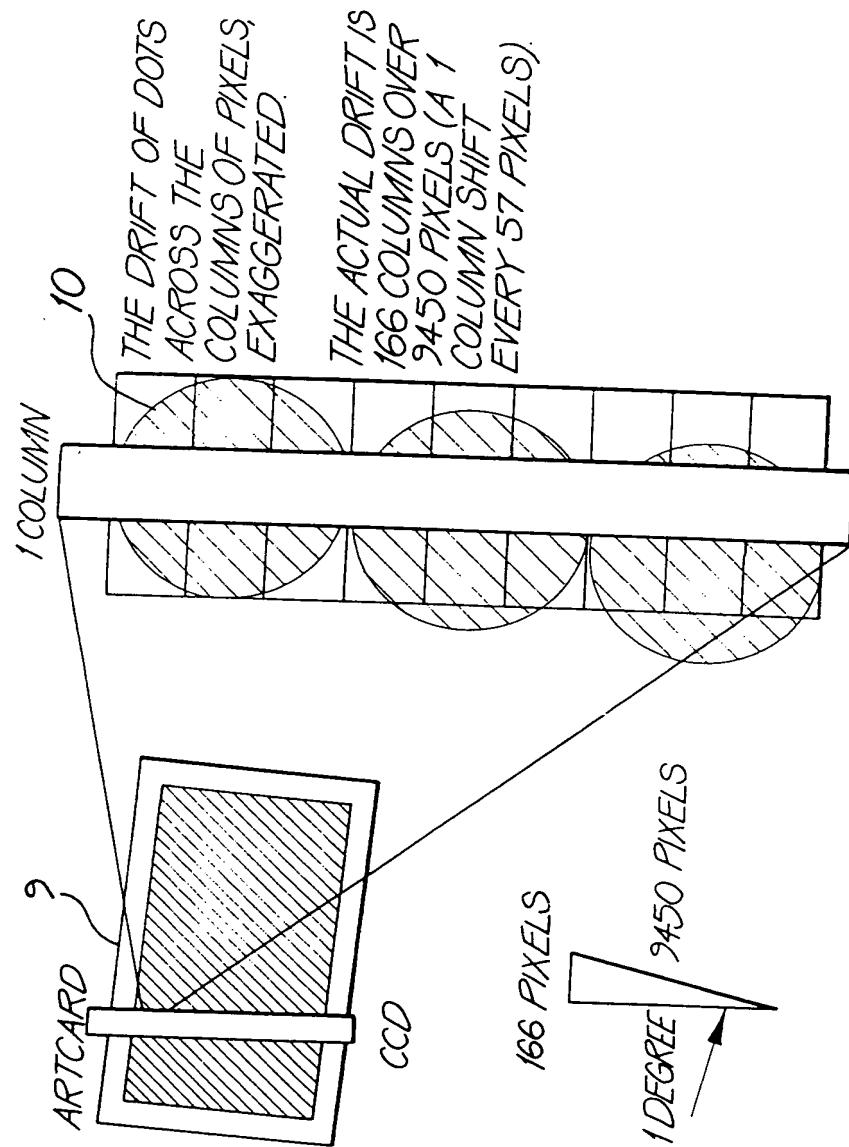


FIG. 62

FIG. 63



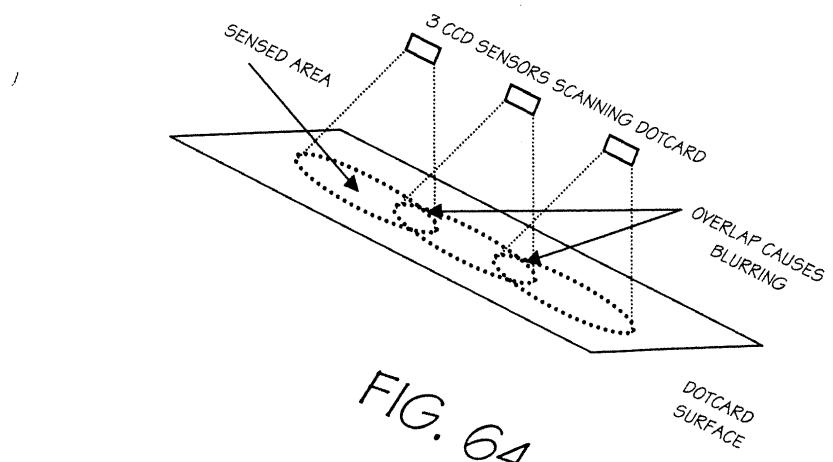


FIG. 64

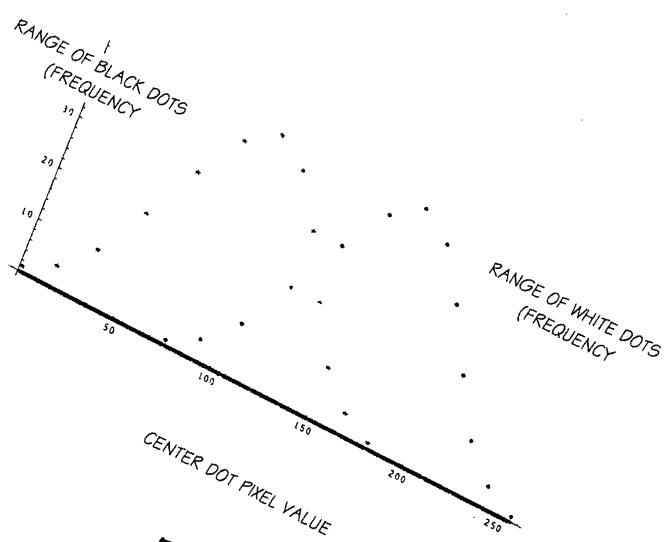
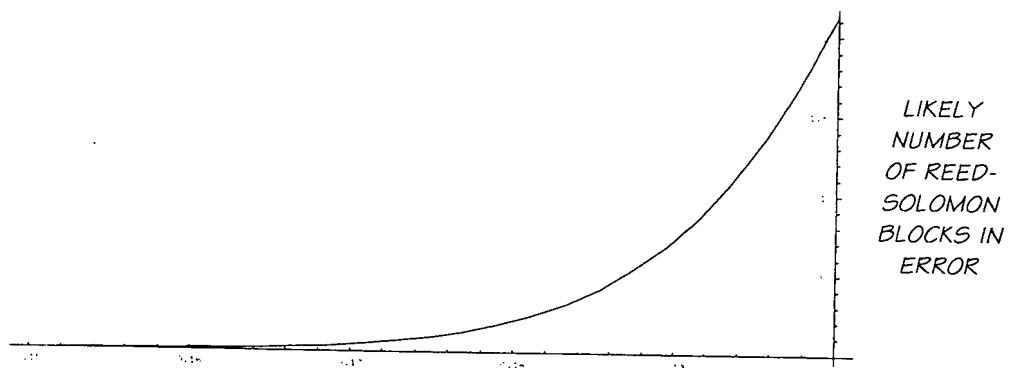


FIG. 65



PROBABILITY OF A SYMBOL BEING IN ERROR DURING A READ

FIG. 66

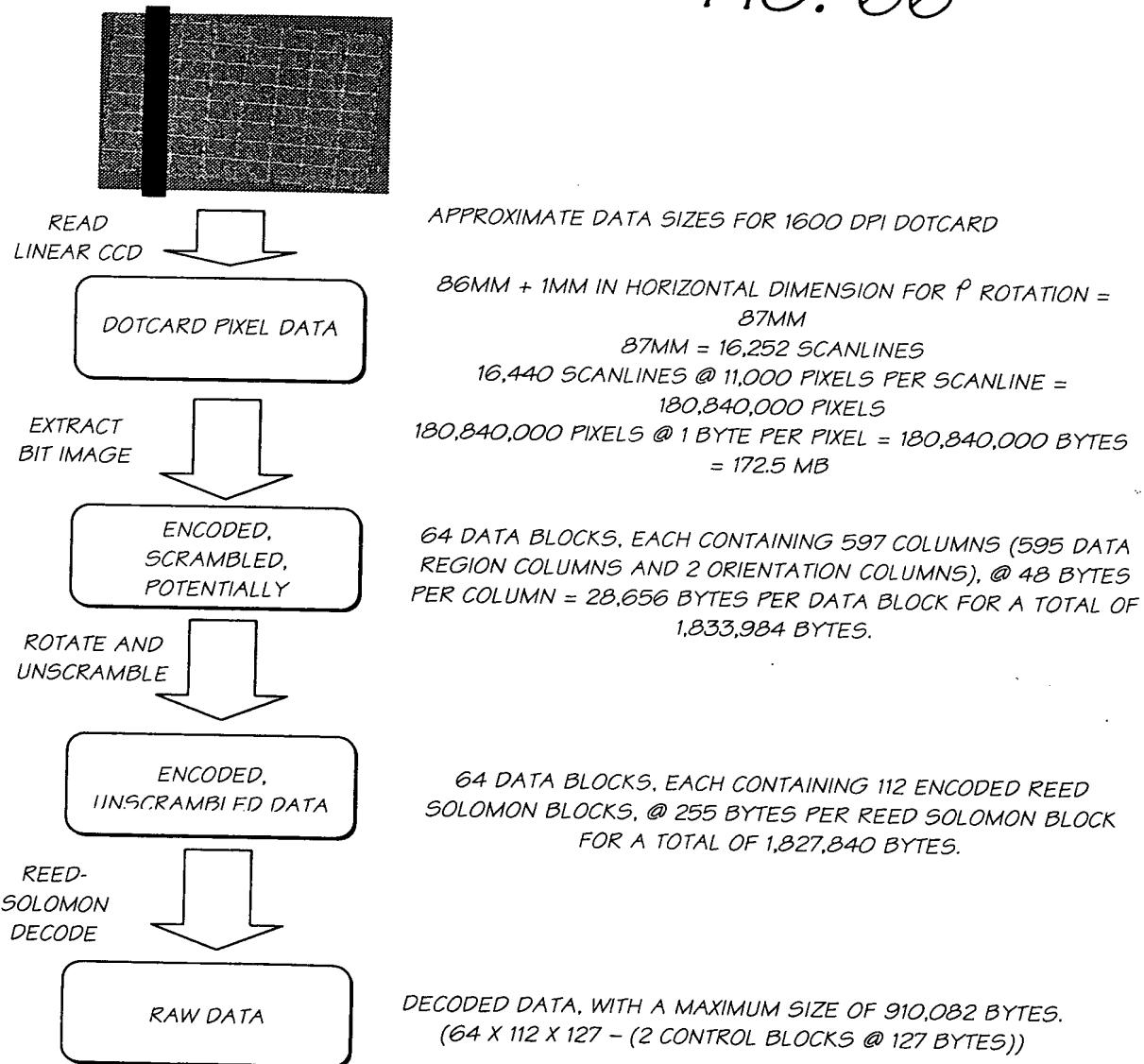


FIG. 67

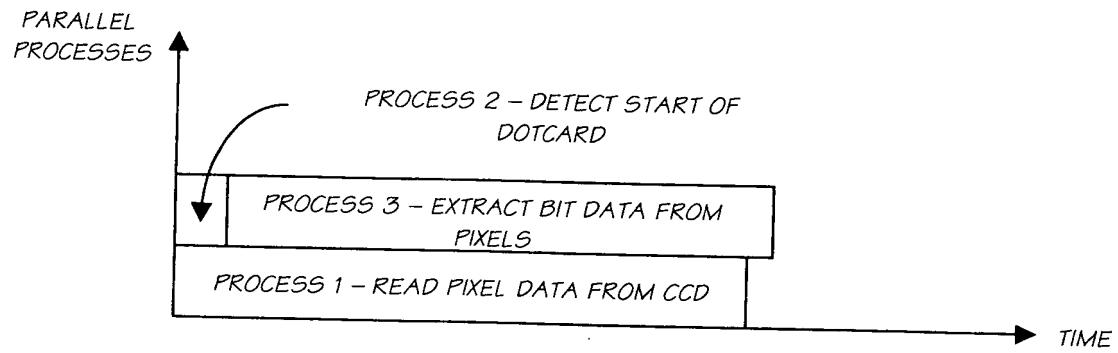


FIG. 68

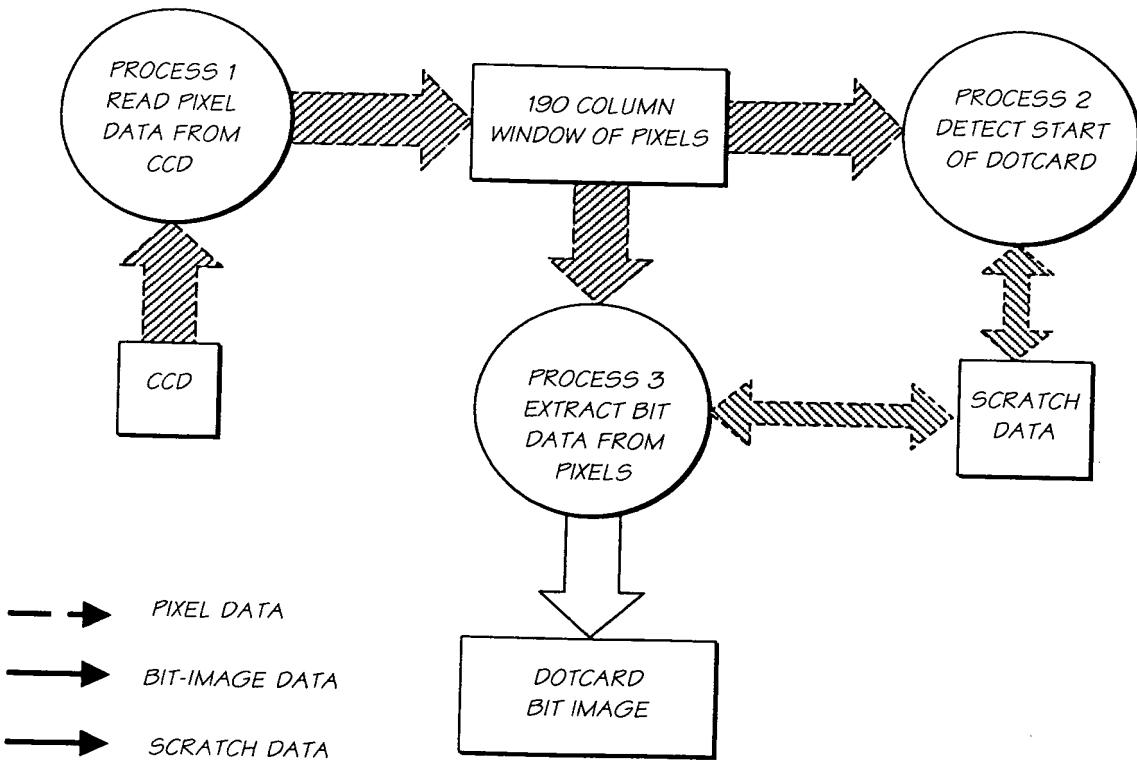


FIG. 69

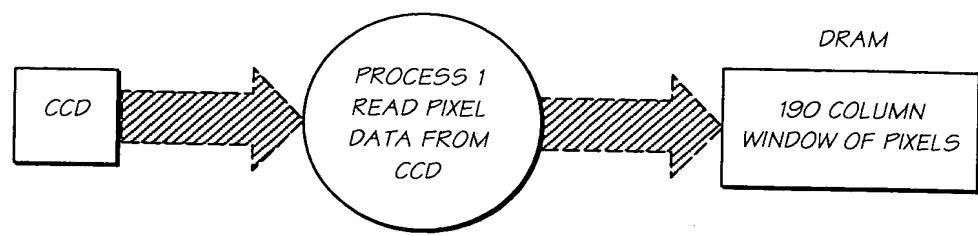


FIG. 70

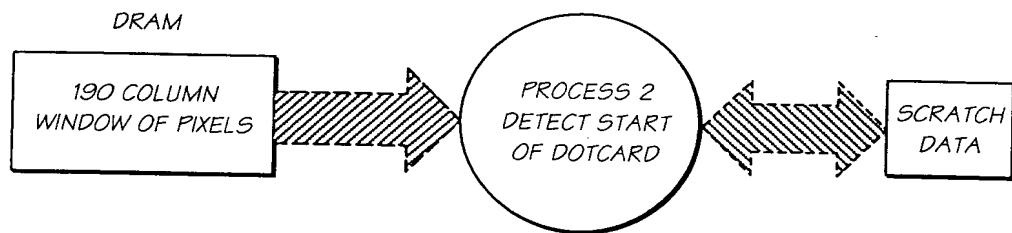
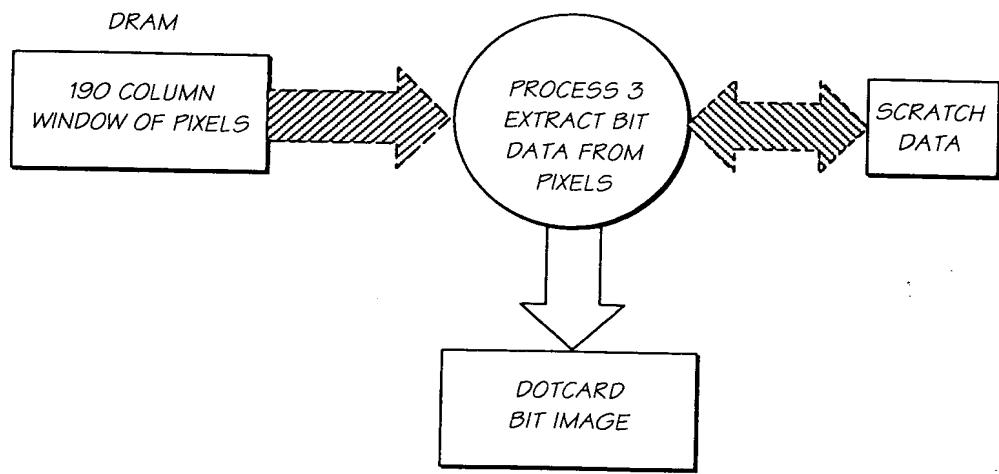


FIG. 71



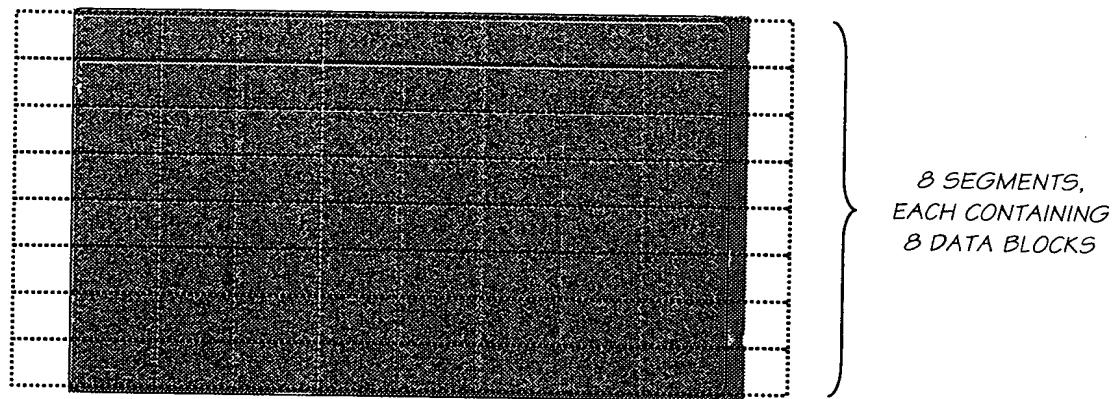


FIG. 73

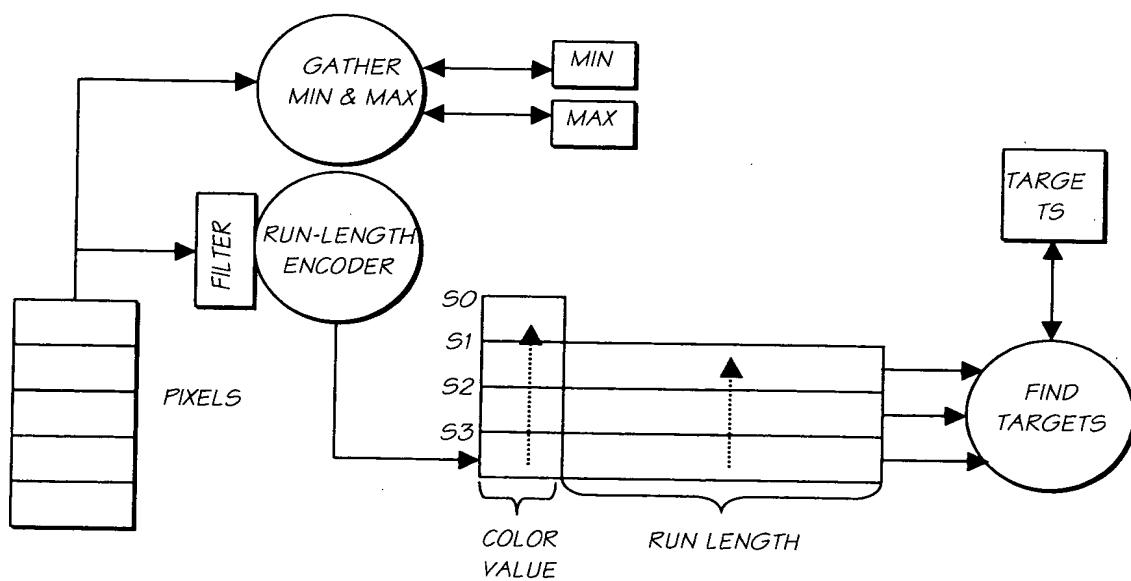


FIG. 74

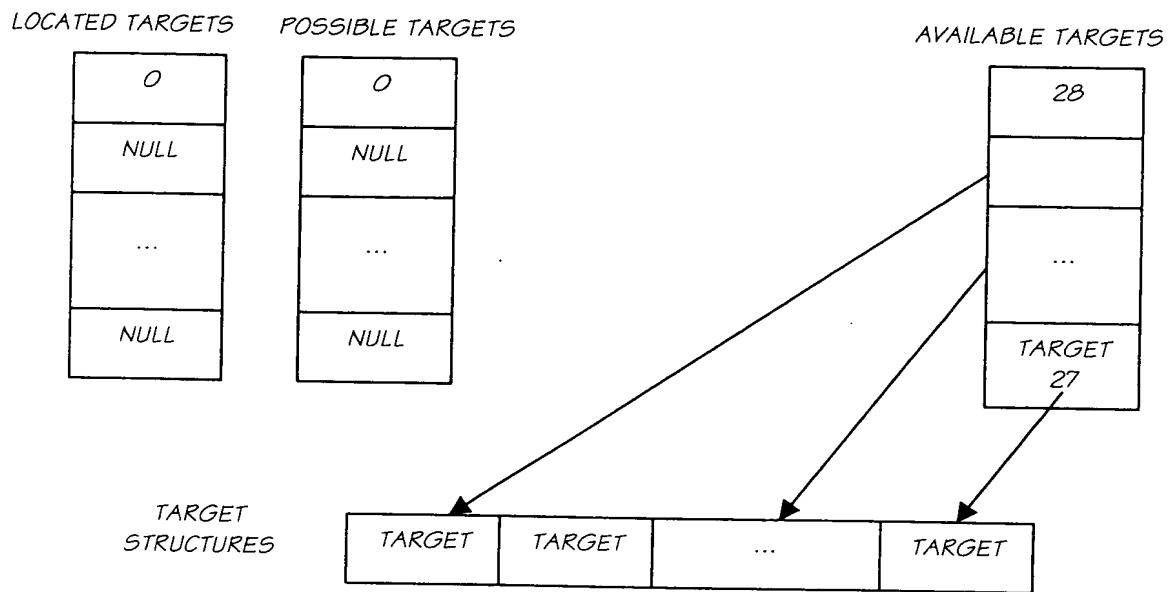


FIG. 75

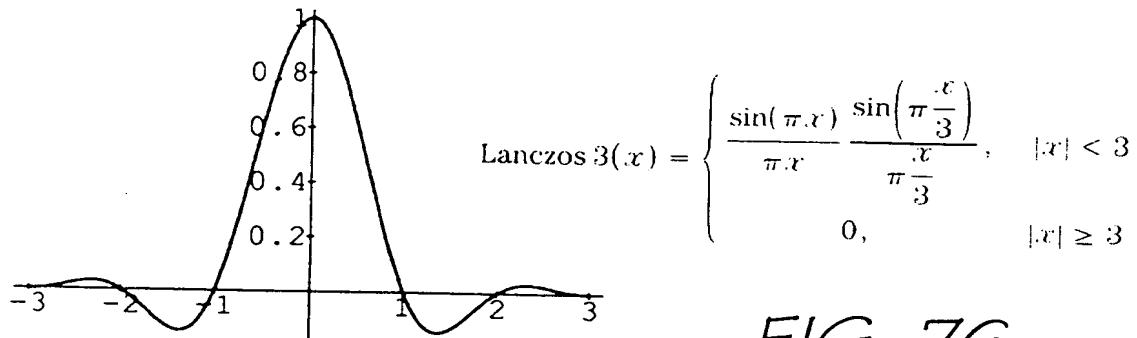


FIG. 76

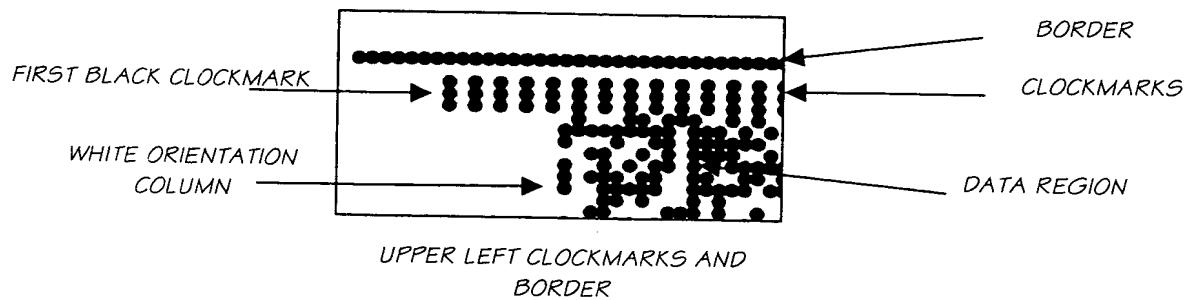


FIG. 77

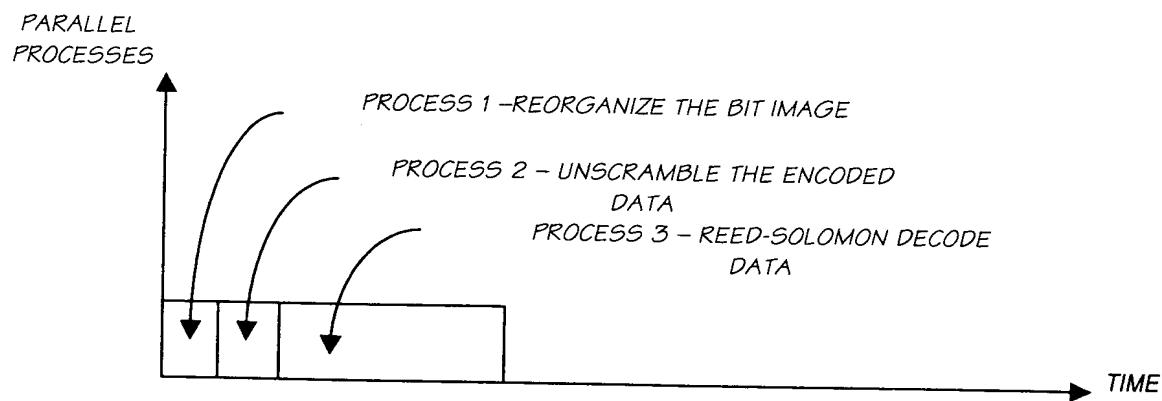


FIG. 78

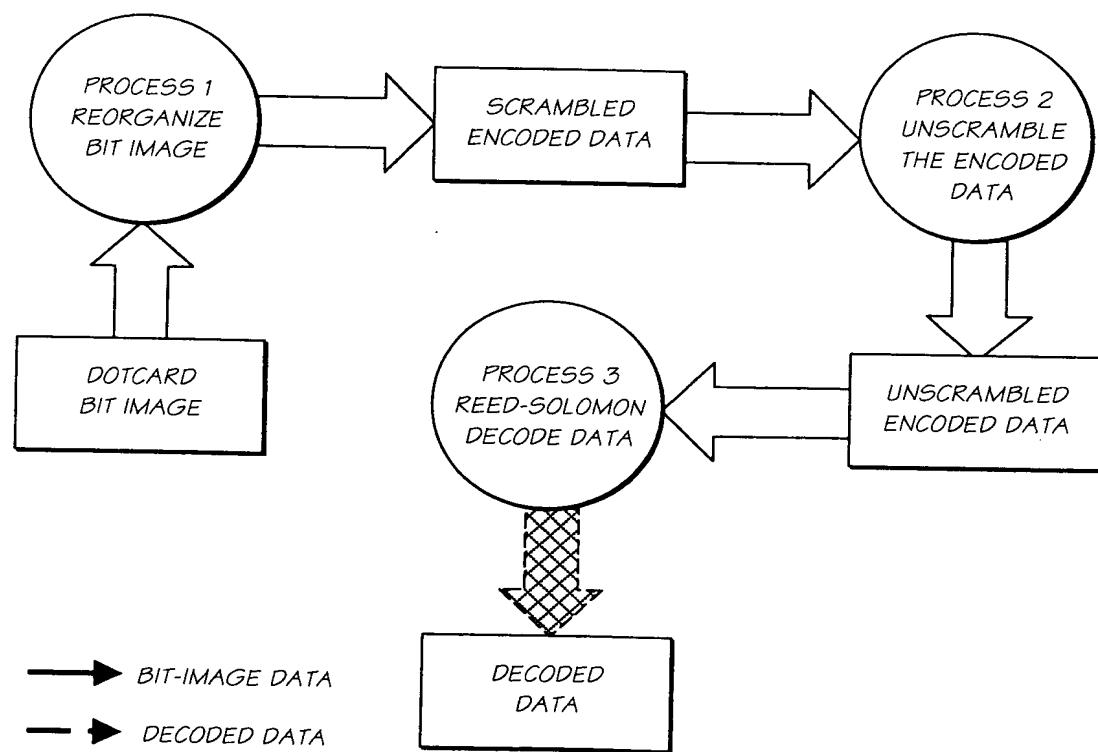


FIG. 79

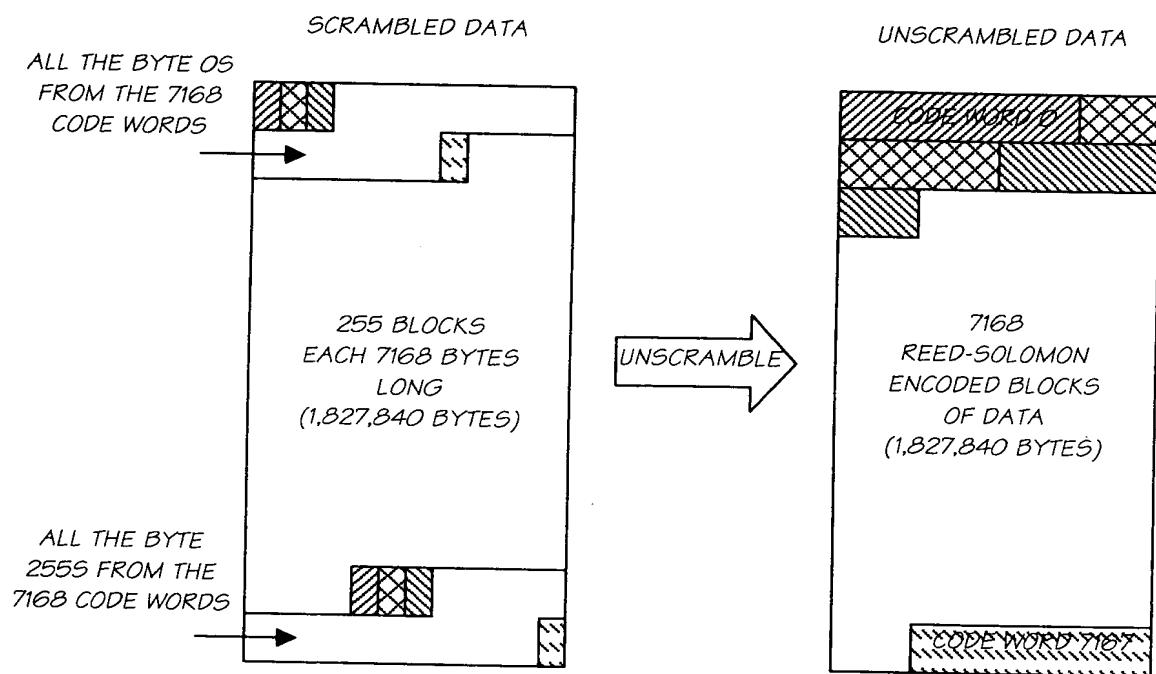


FIG. 80

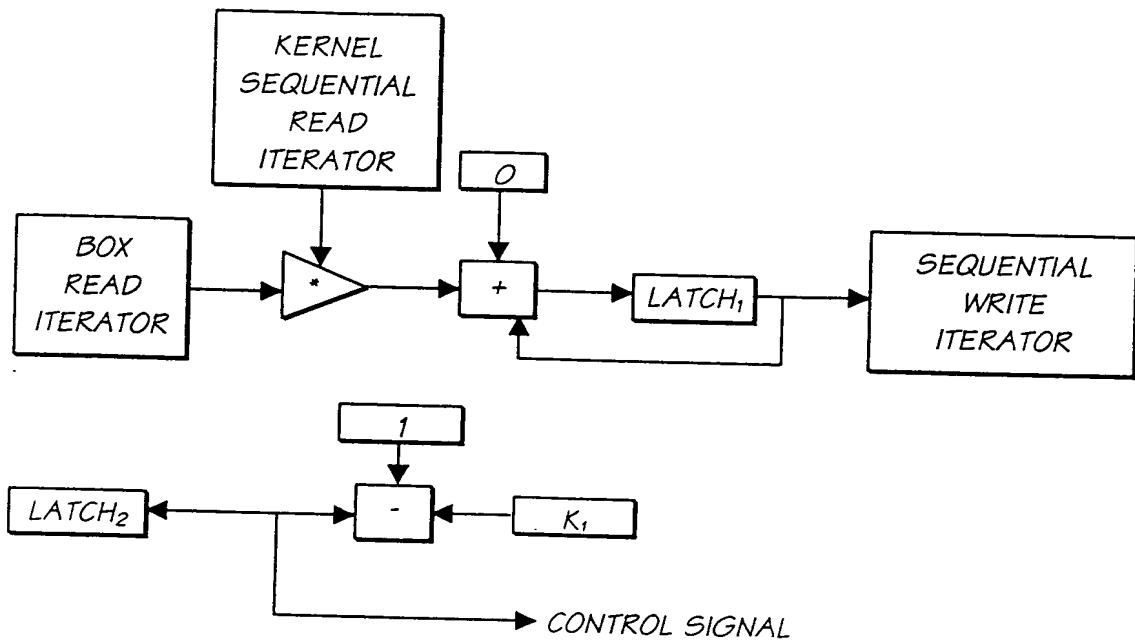


FIG. 81

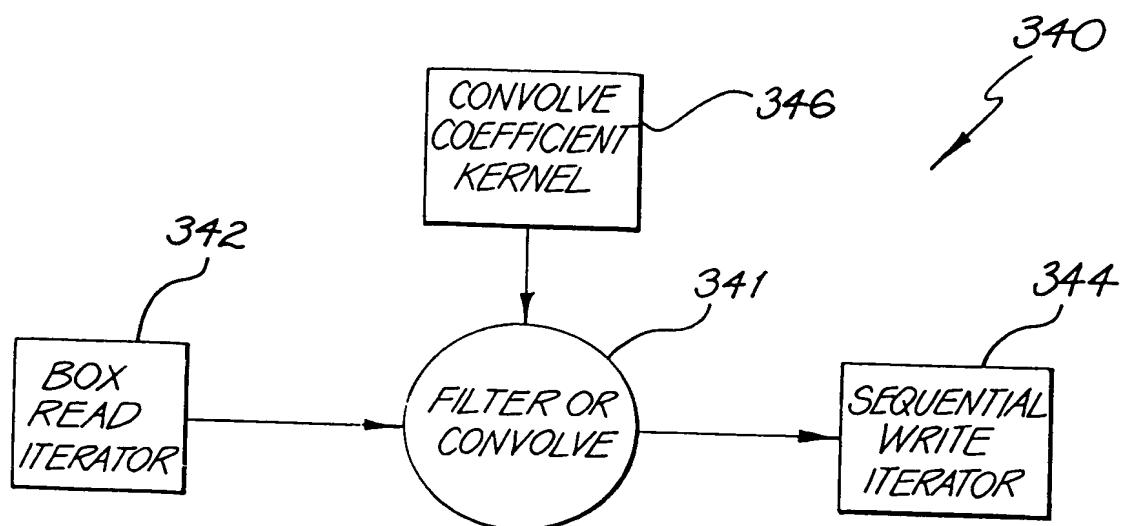


FIG. 82

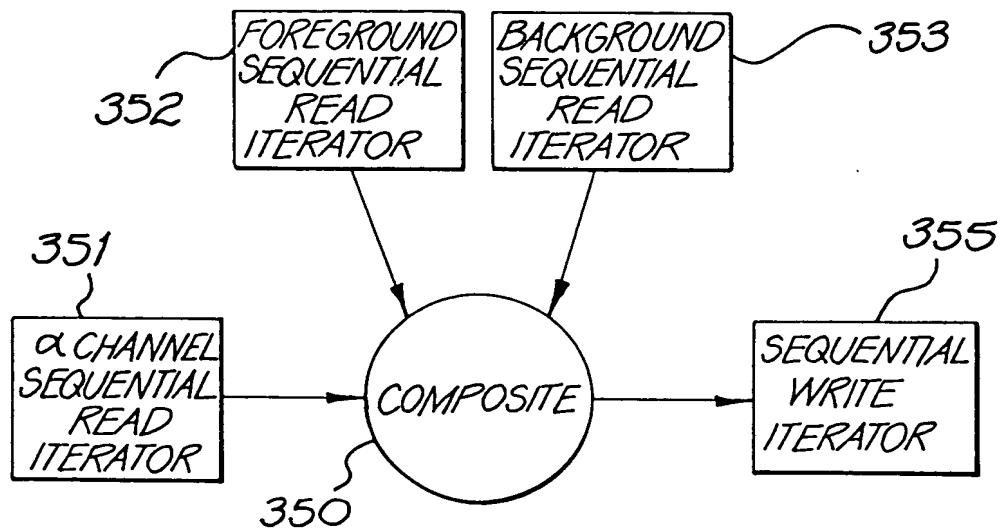


FIG. 83

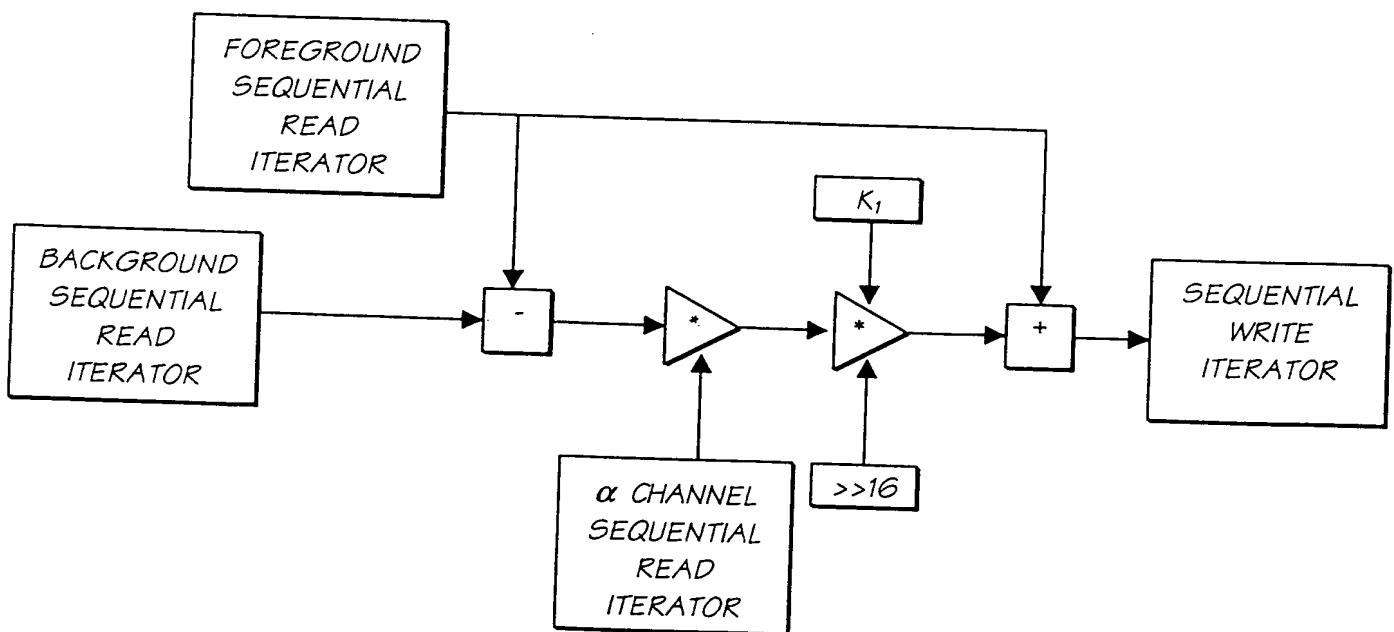


FIG. 84

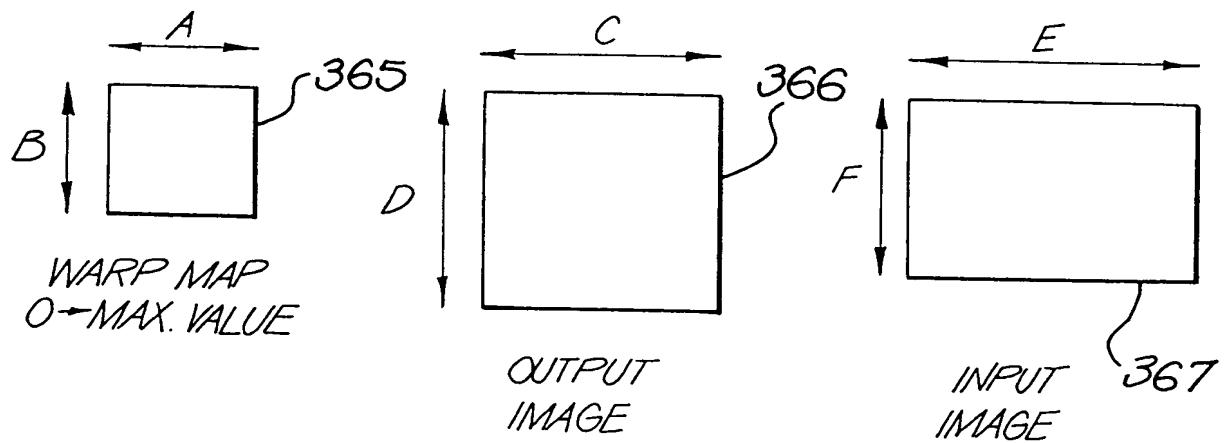


FIG. 85

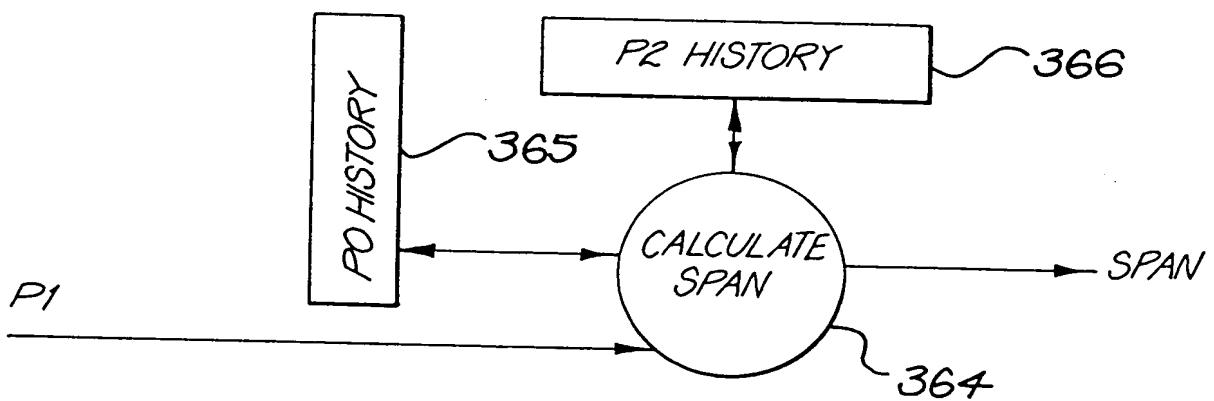


FIG. 86

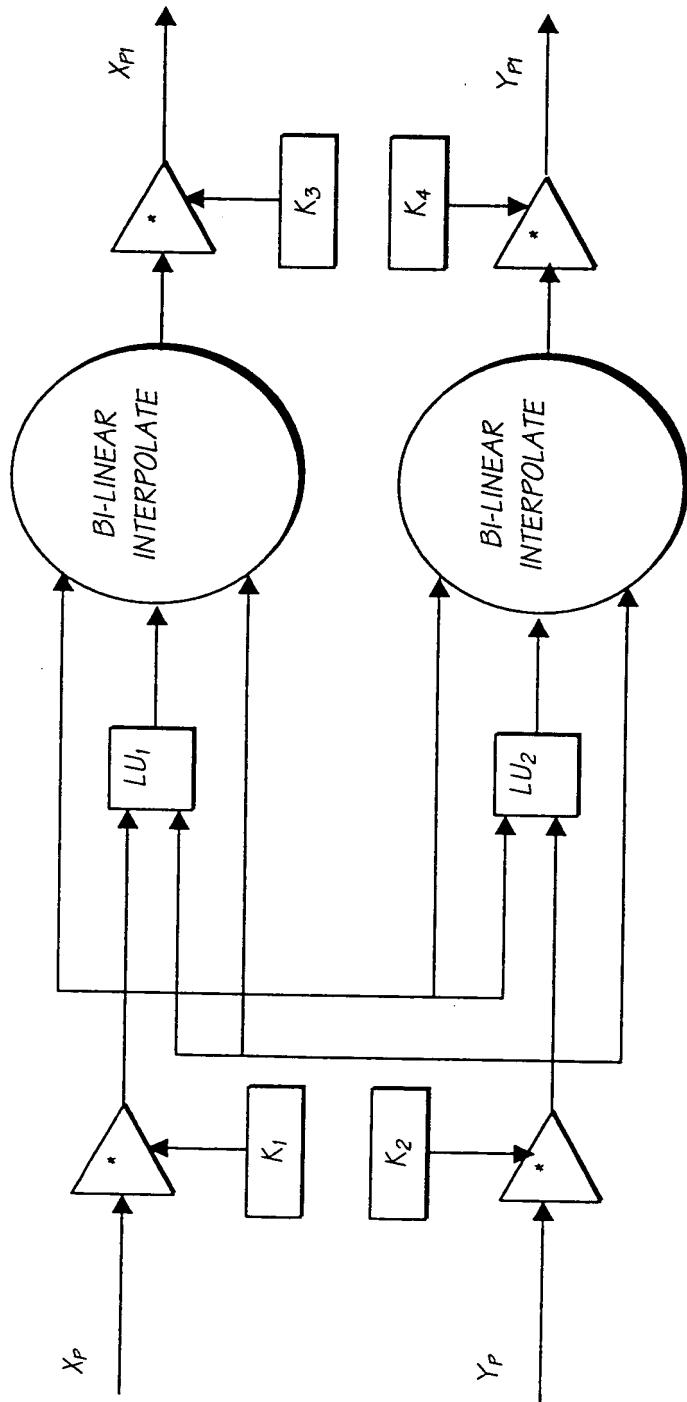


FIG. 87

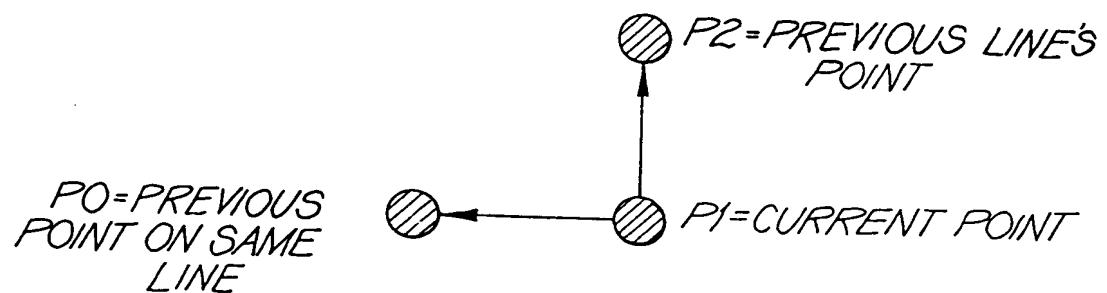


FIG. 88

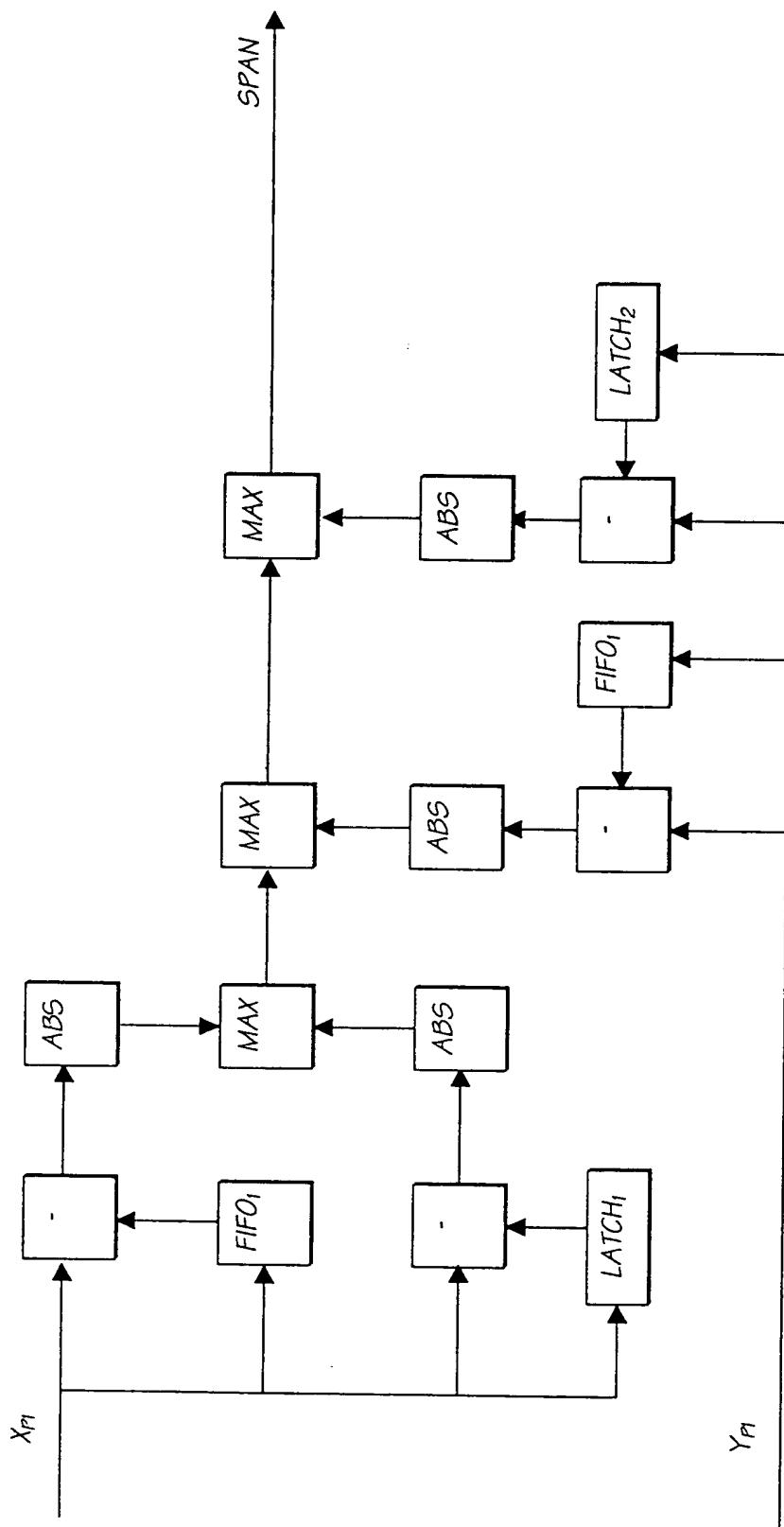


FIG. 8.9

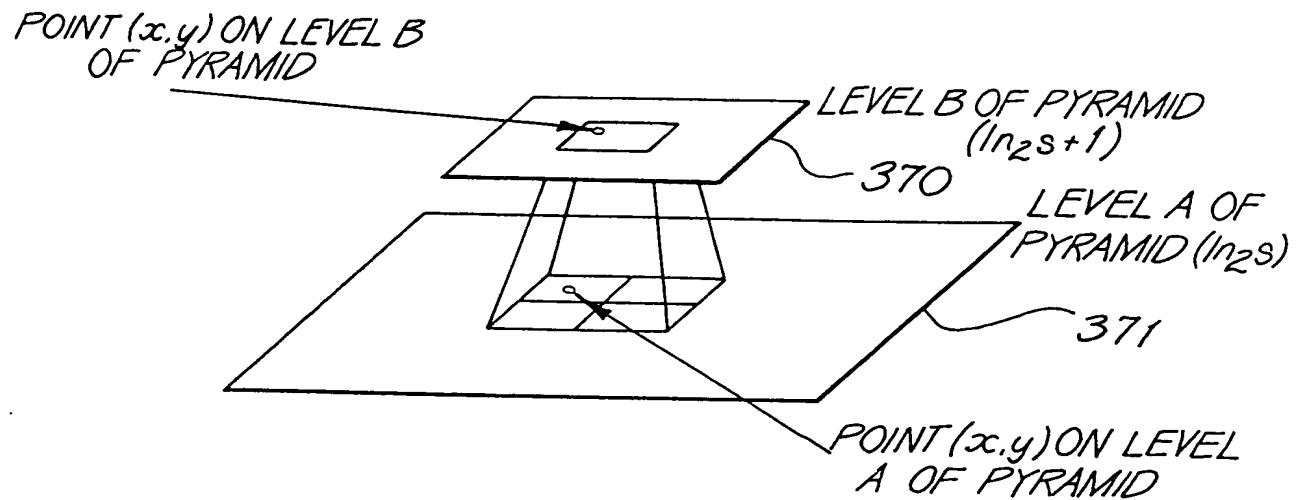


FIG. 90

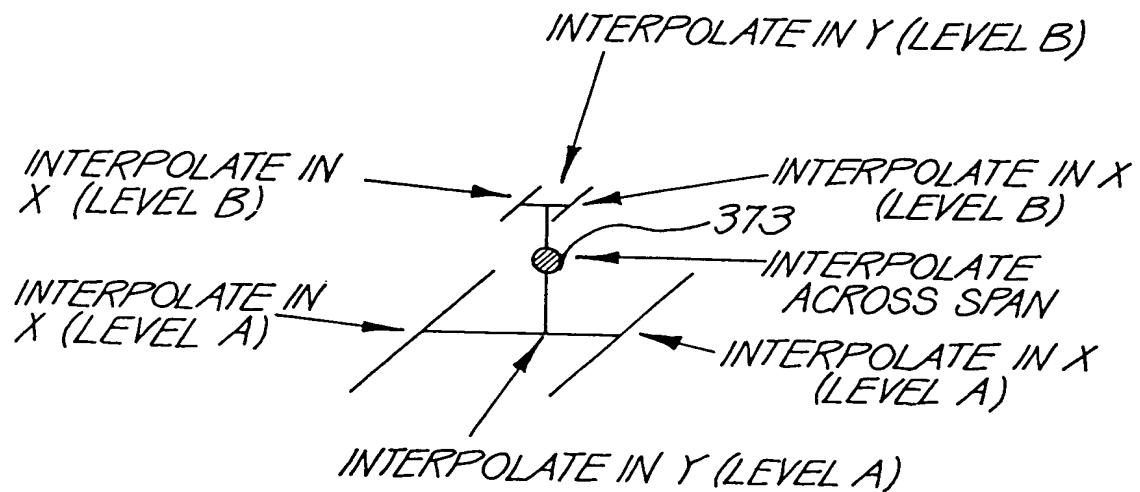
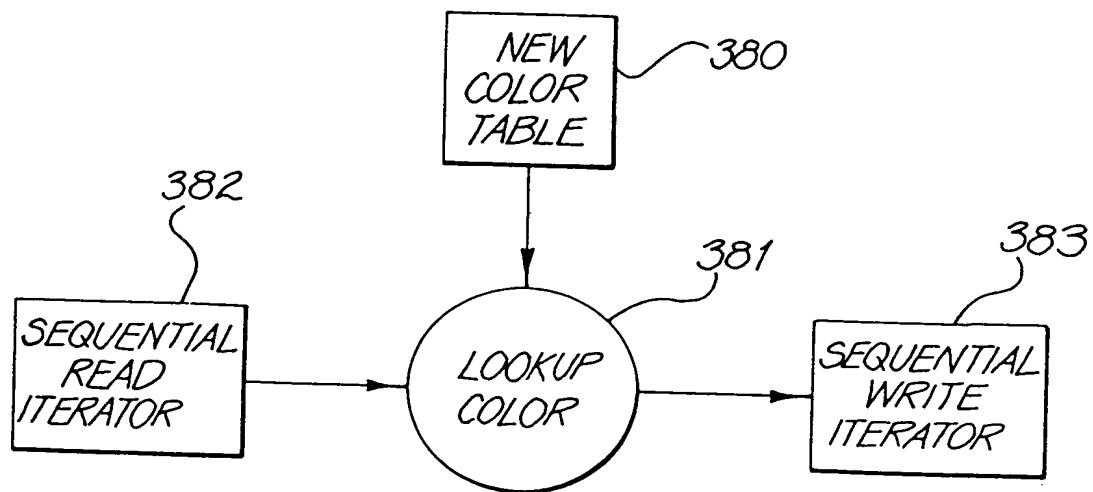
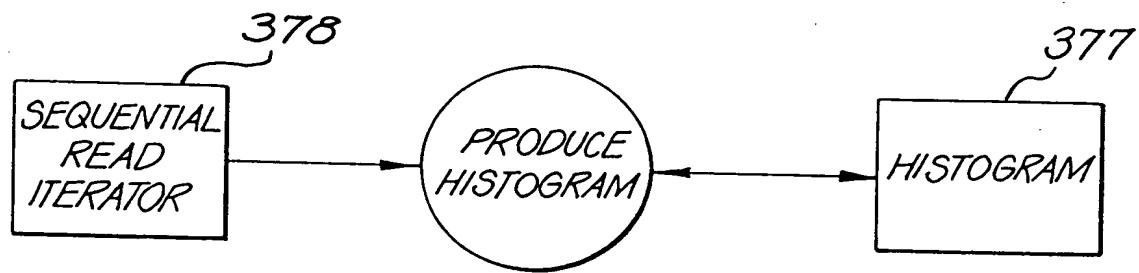


FIG. 91



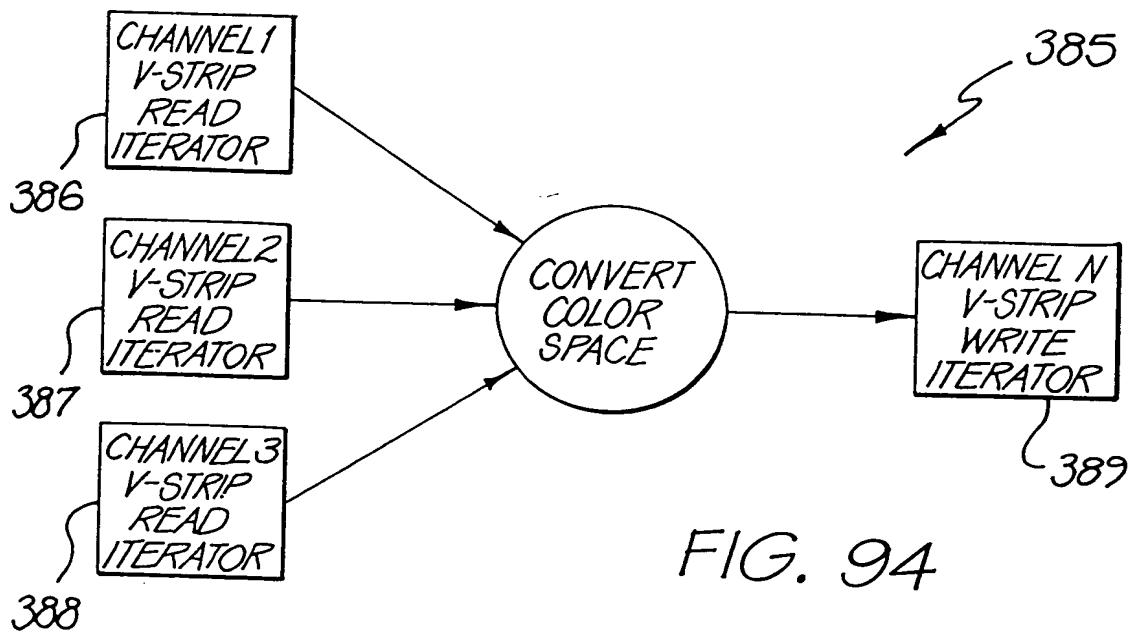


FIG. 94

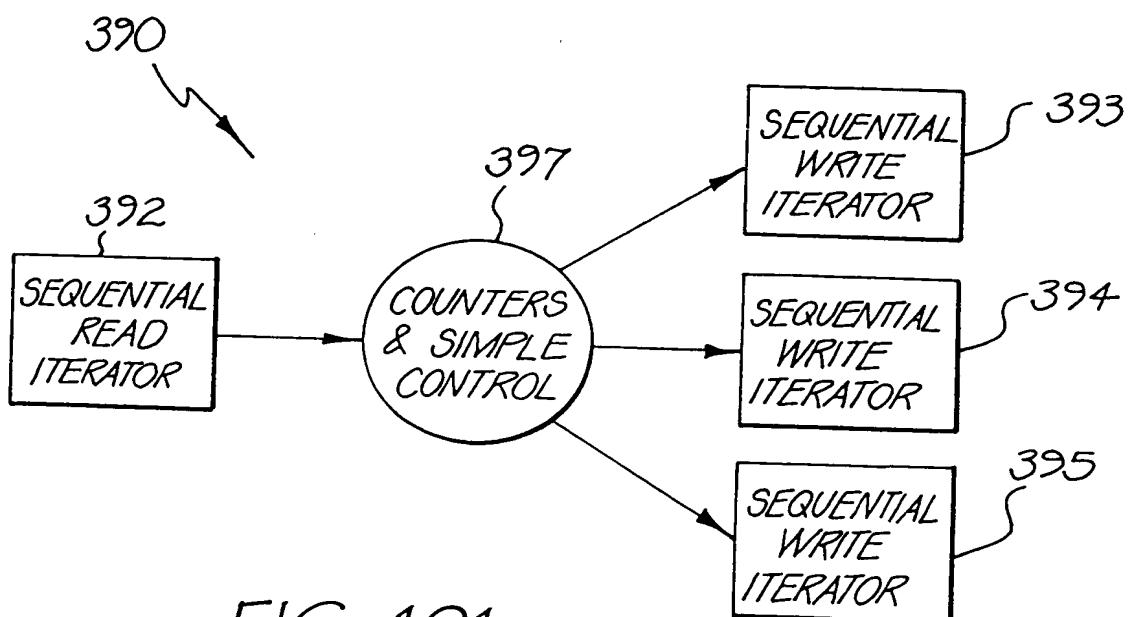


FIG. 101

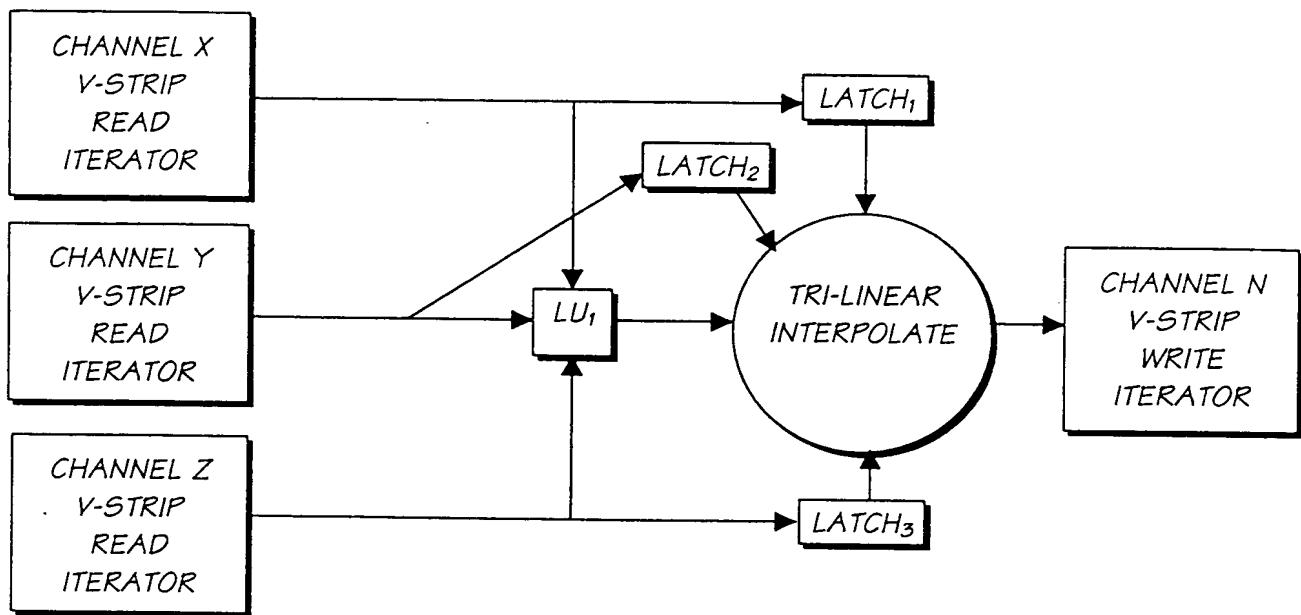


FIG. 95

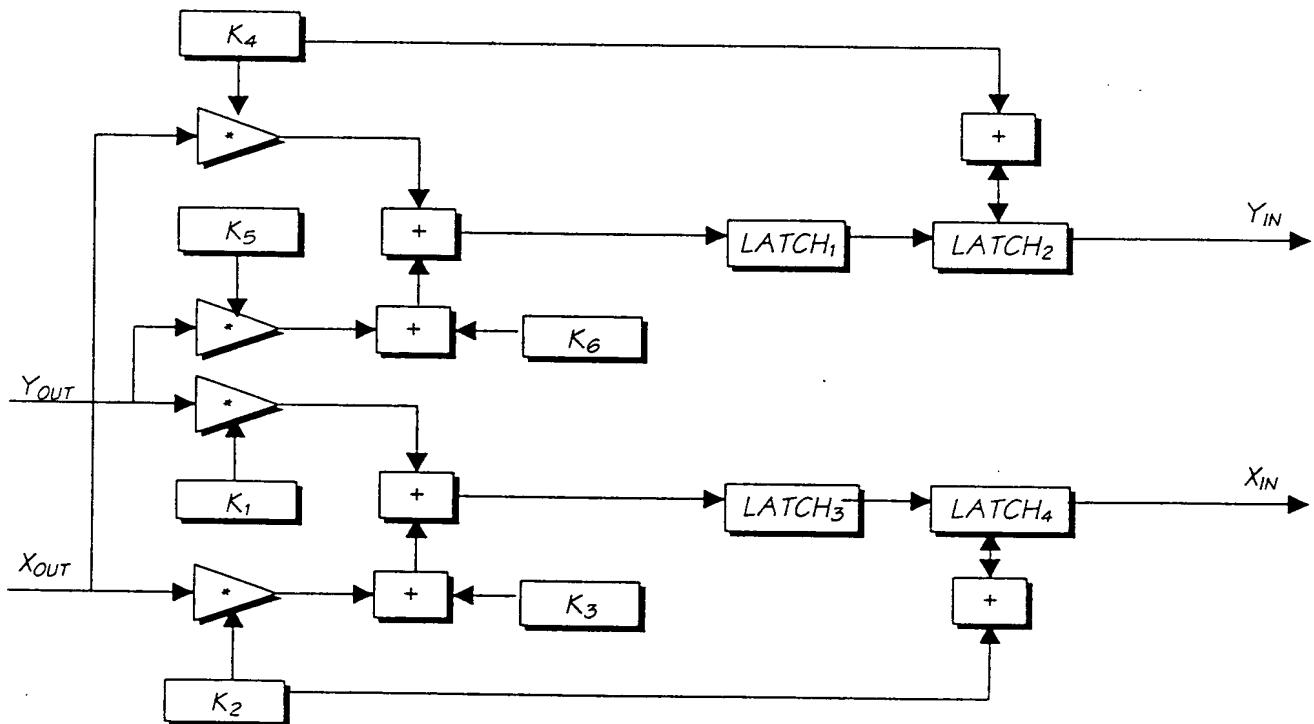


FIG. 96

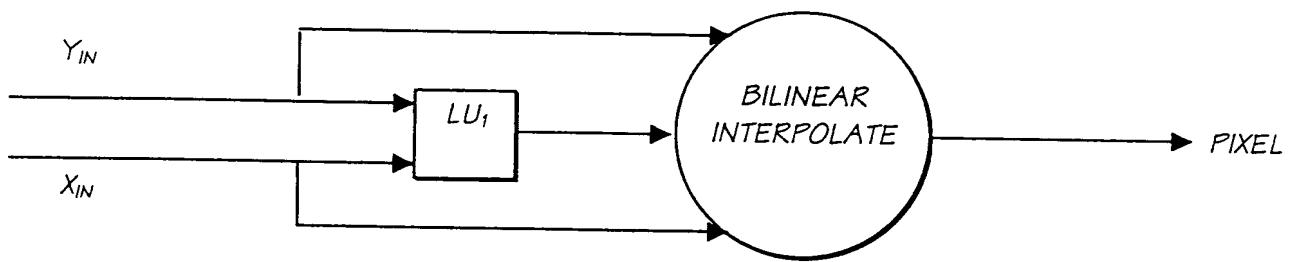


FIG. 97

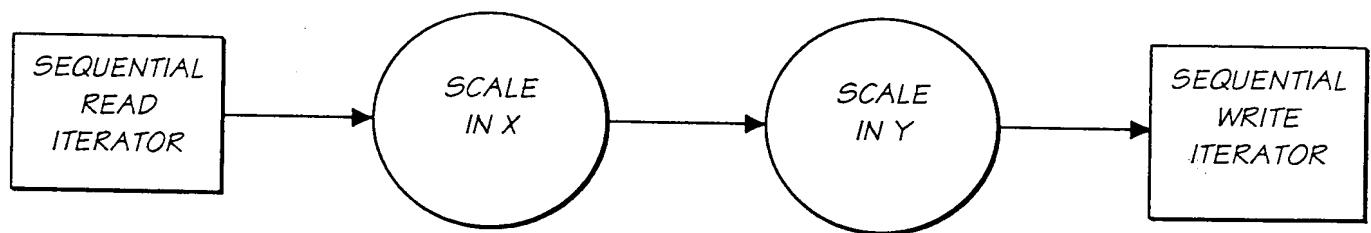


FIG. 98

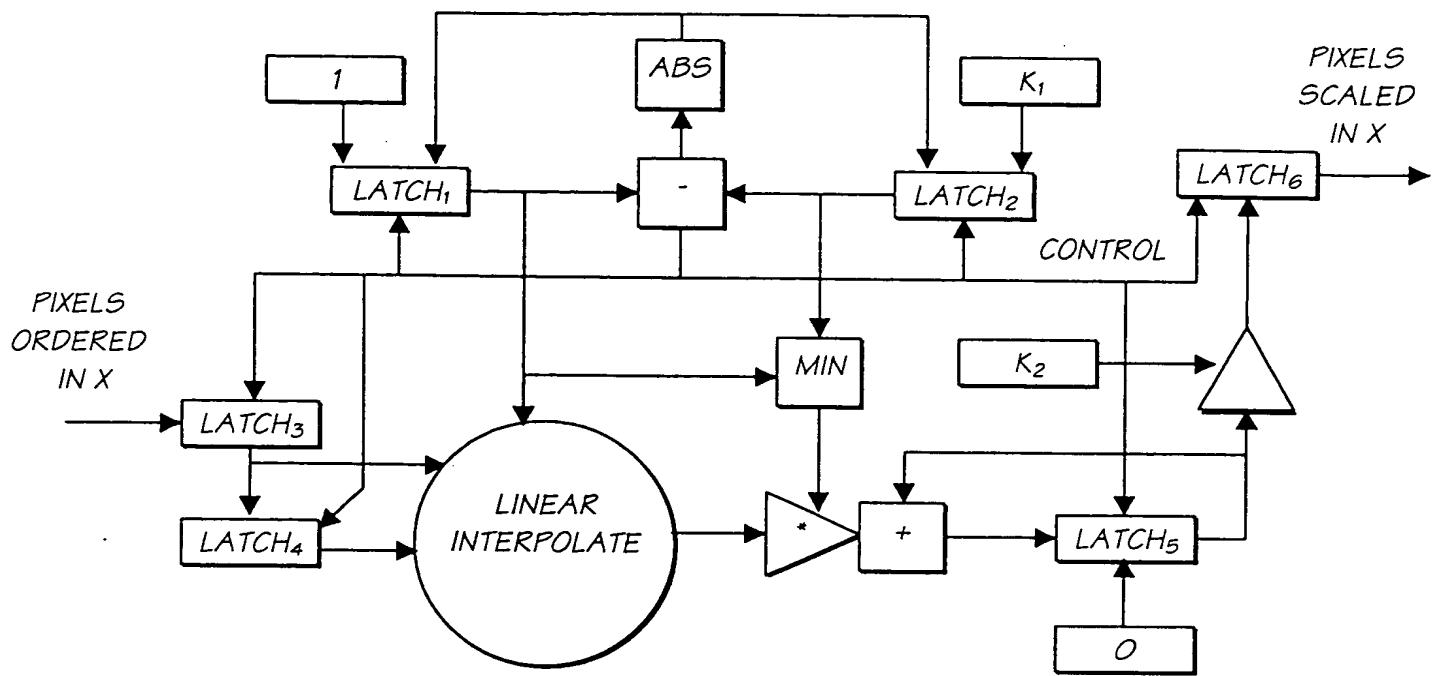


FIG. 99

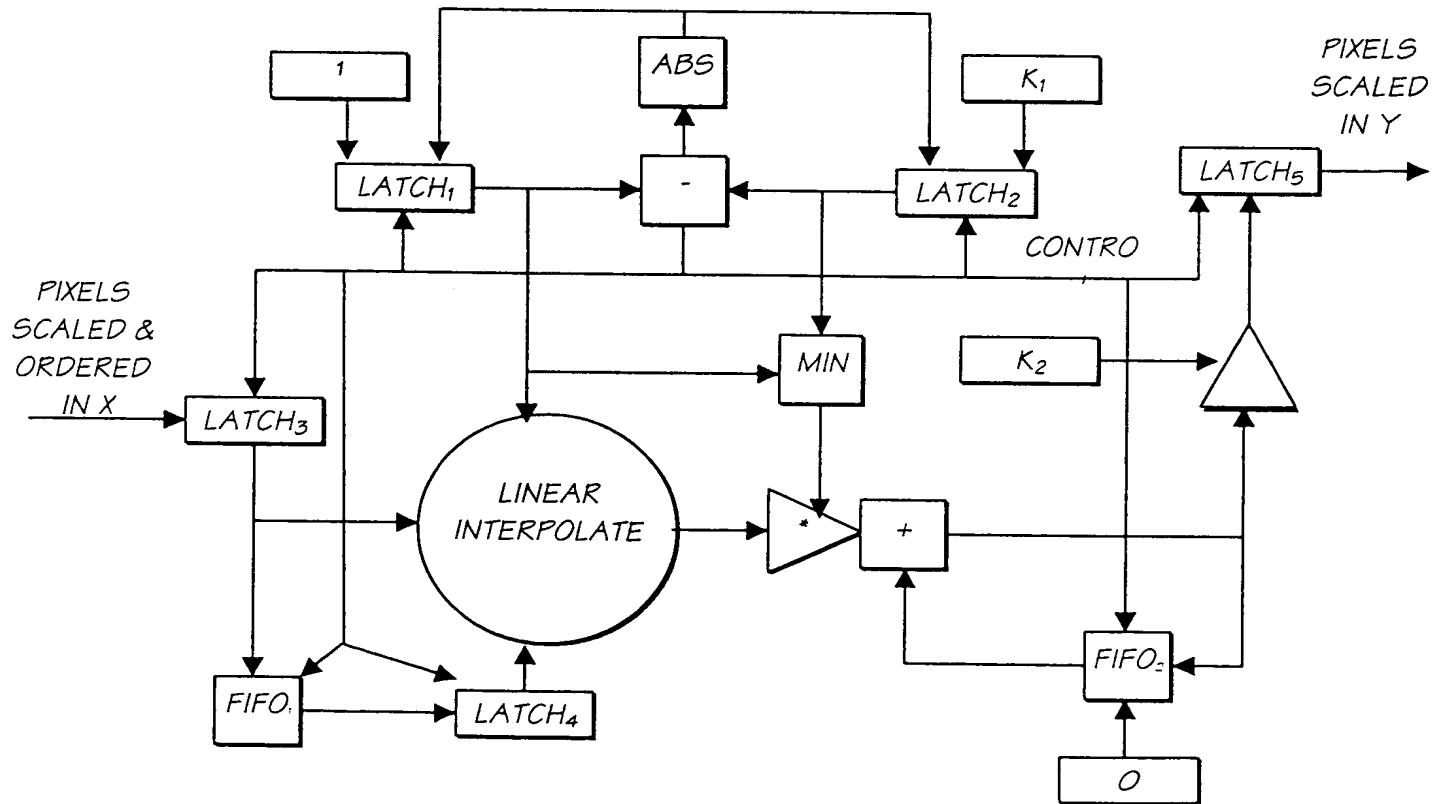


FIG. 100

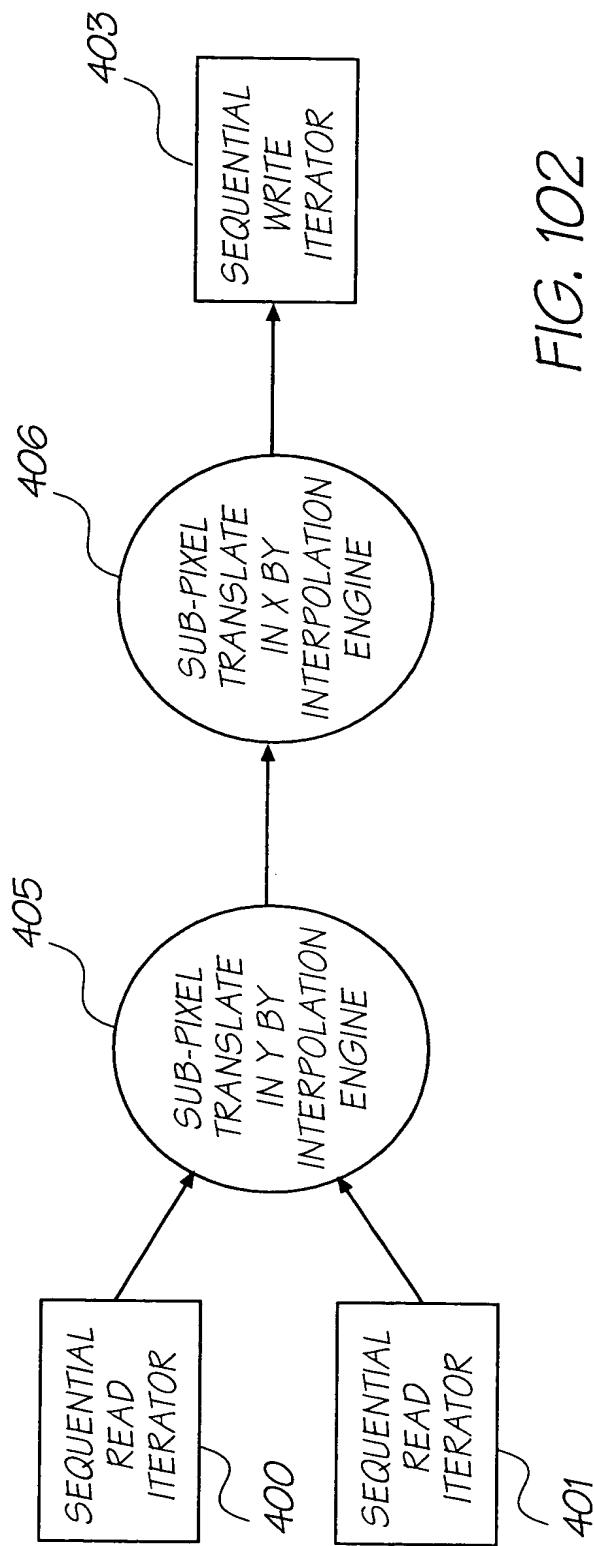
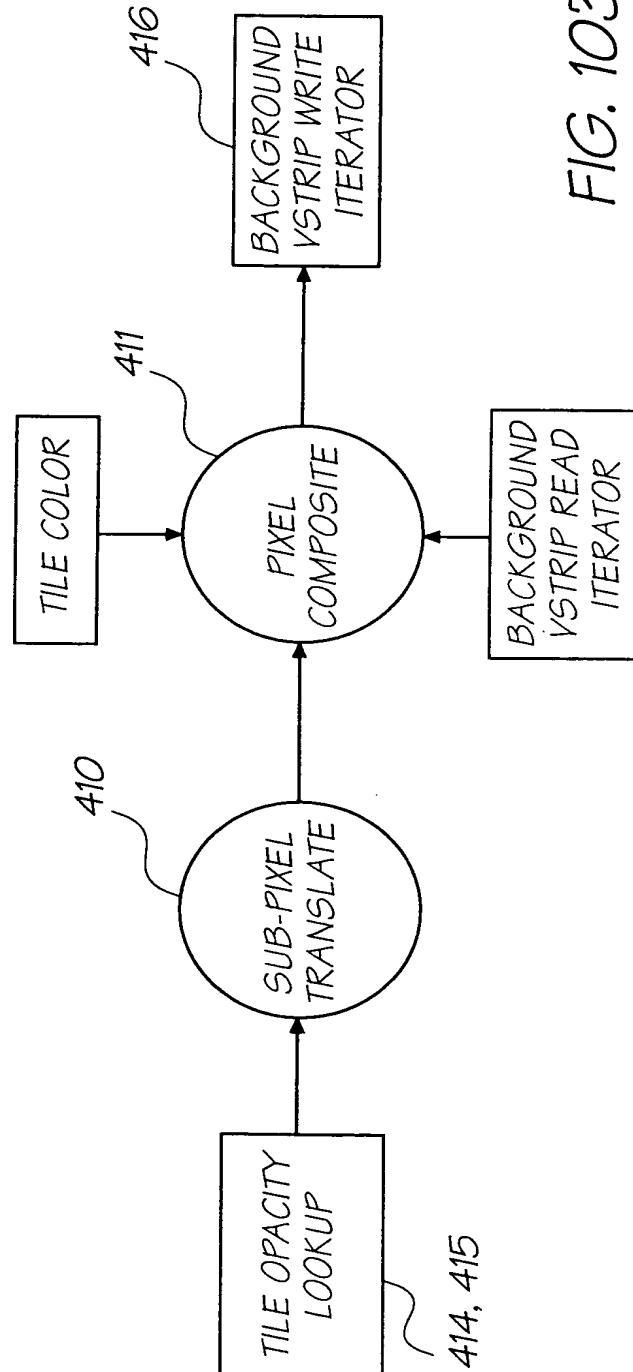
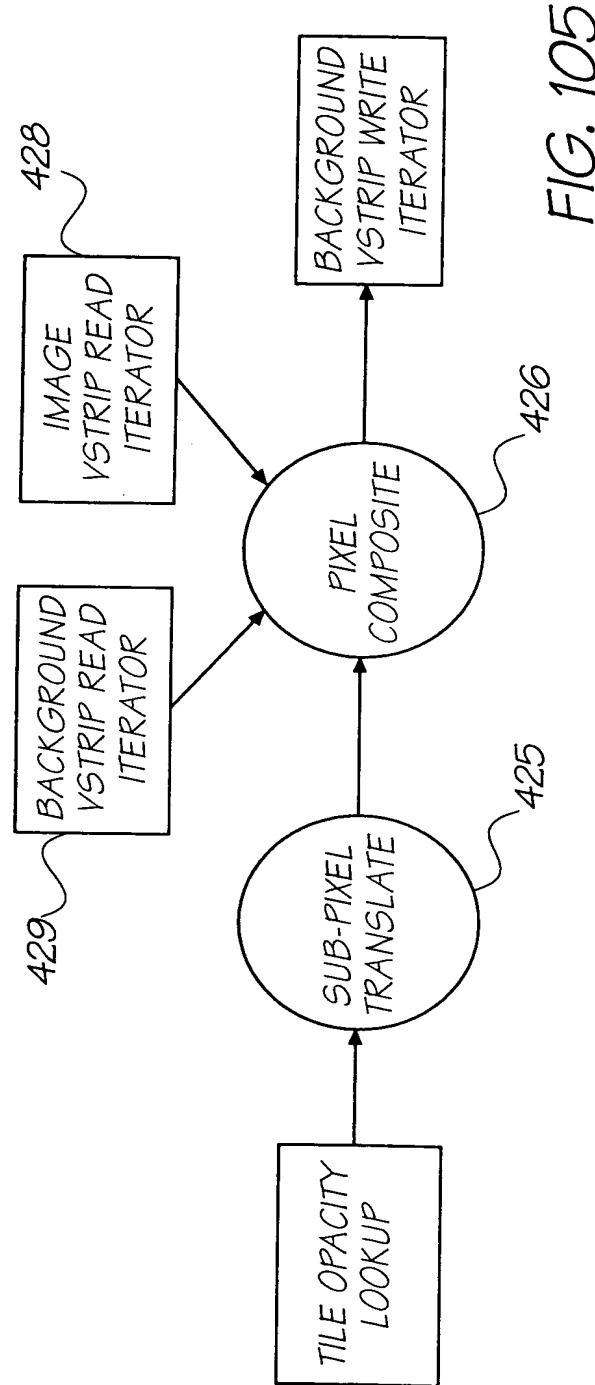
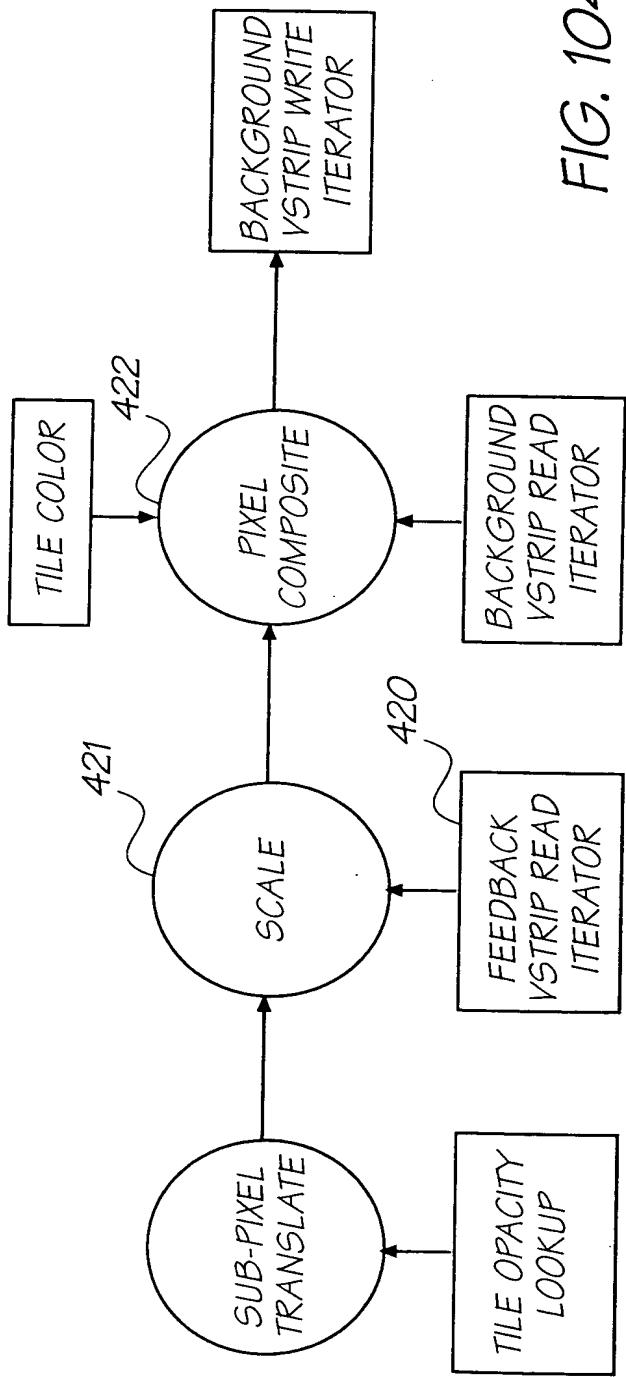


FIG. 102





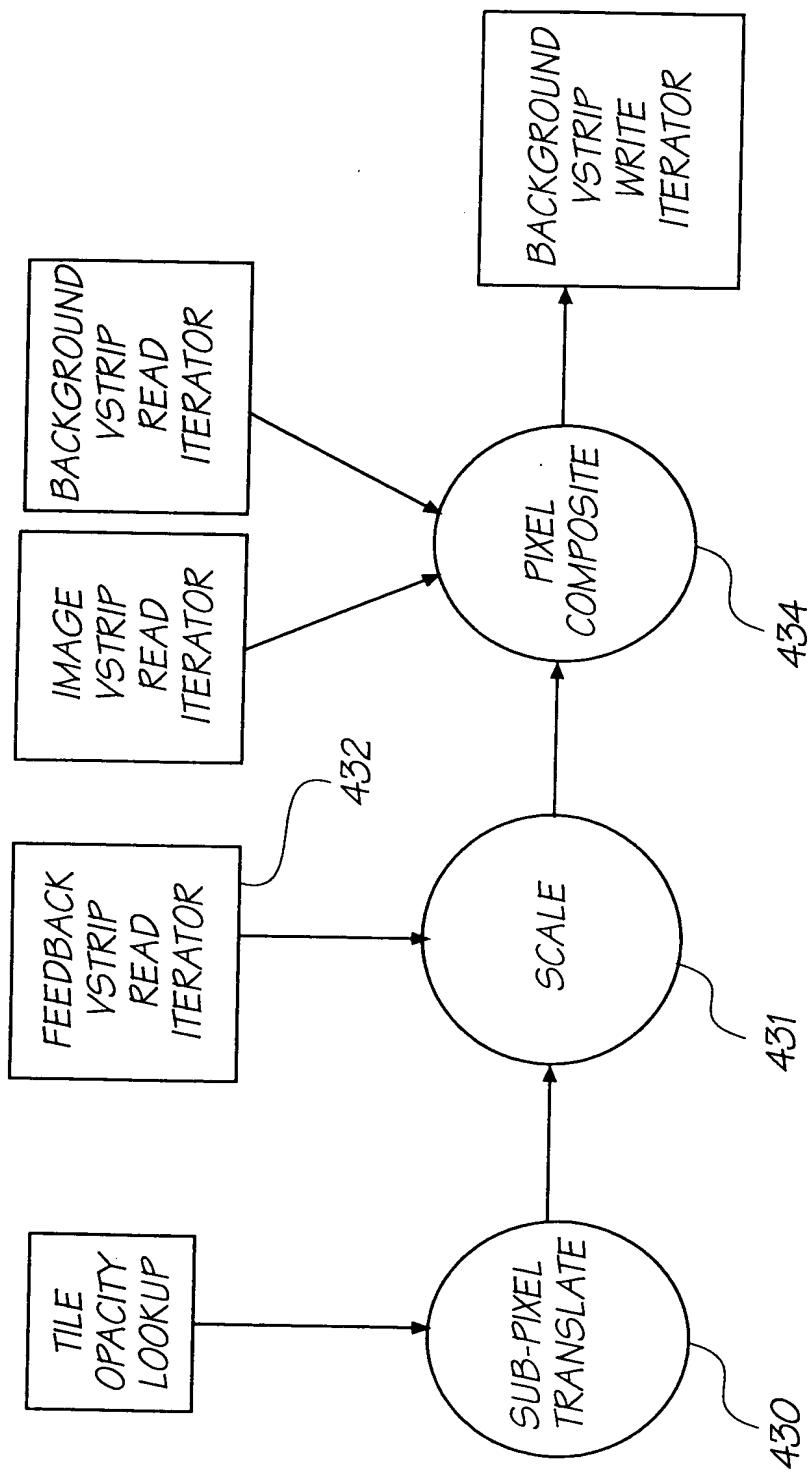


FIG. 106

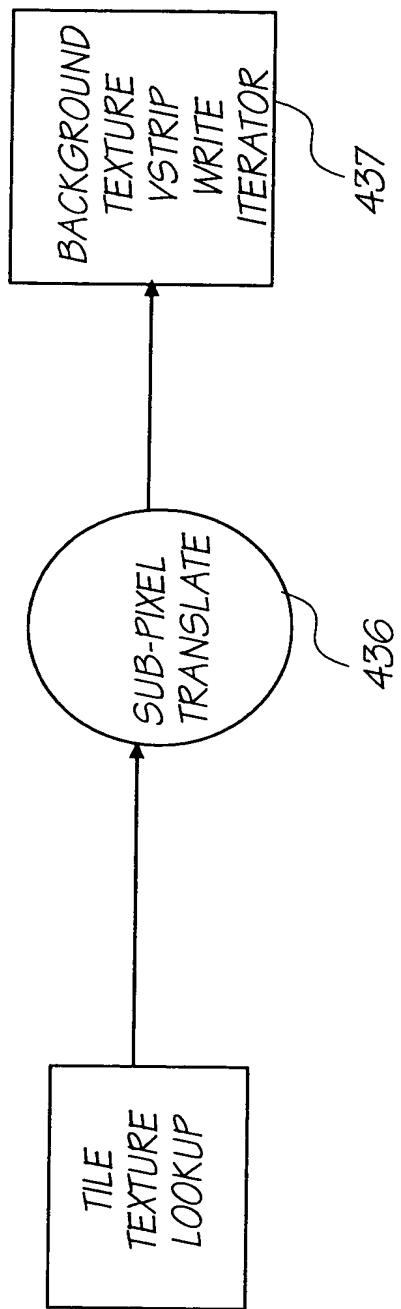


FIG. 107

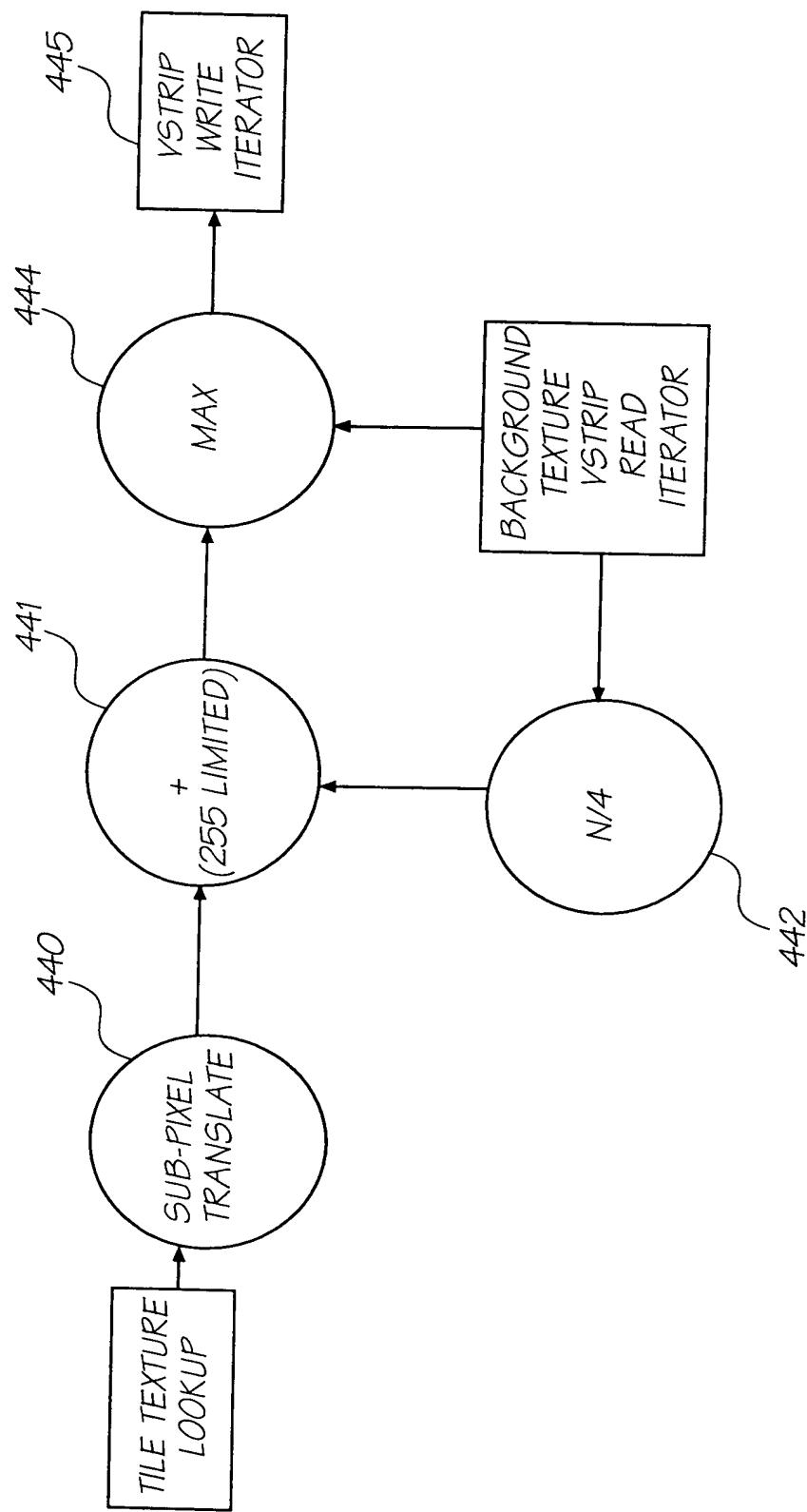
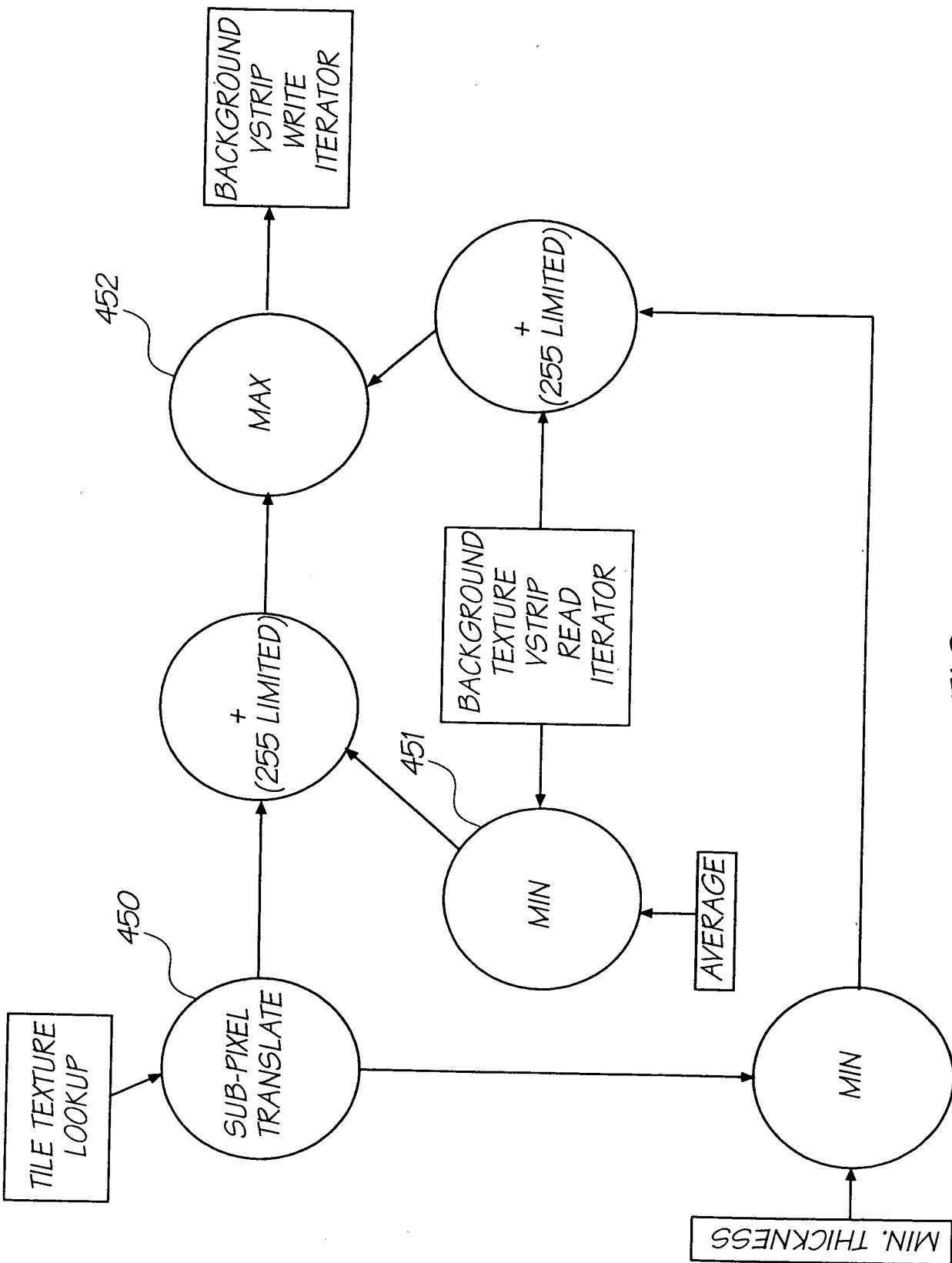


FIG. 108

FIG. 109



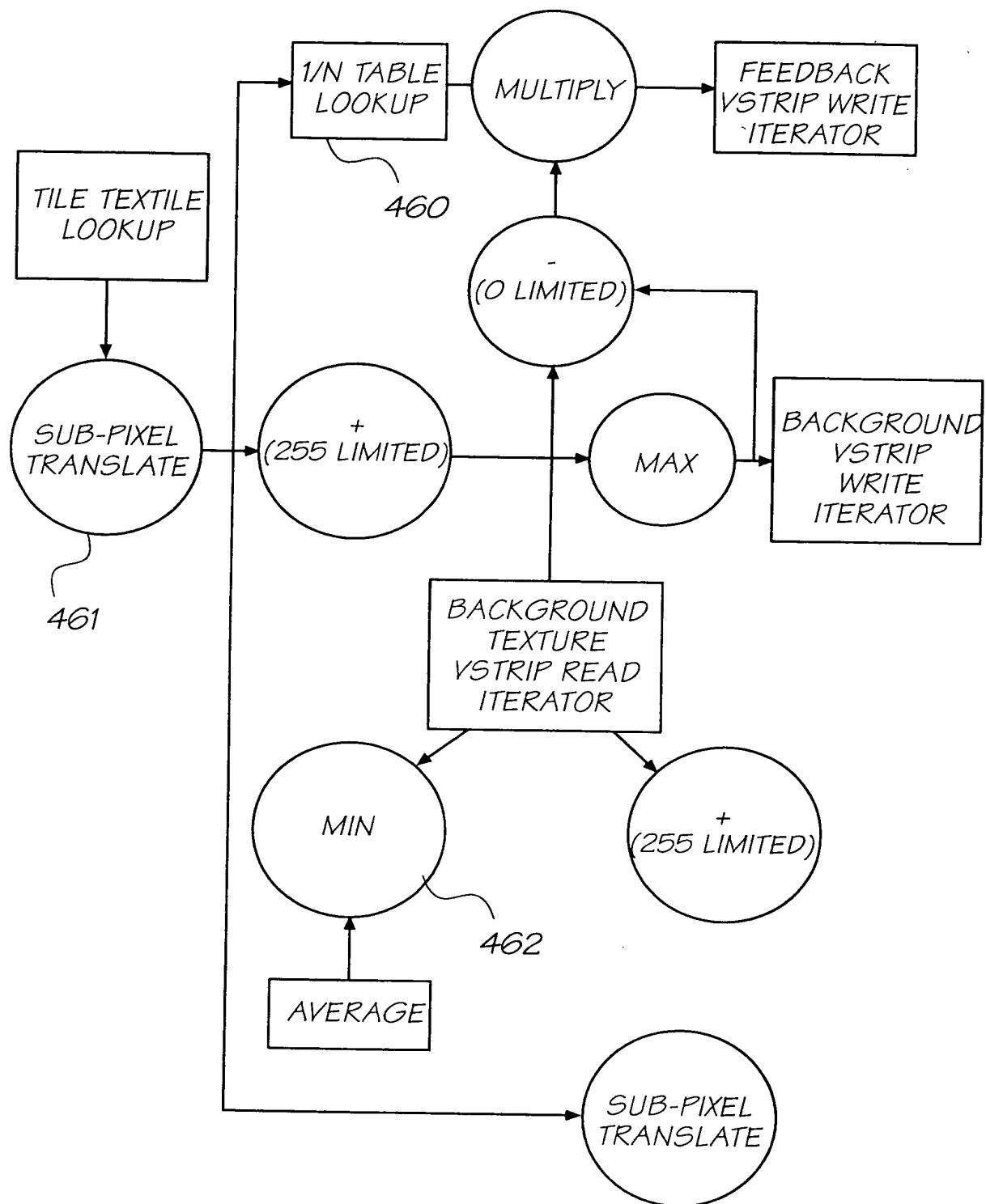


FIG. 110



2x2 PIXEL BLOCK,
0 DEGREES



2x2 PIXEL BLOCK,
90 DEGREES

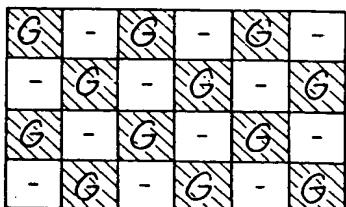


2x2 PIXEL BLOCK,
180 DEGREES



2x2 PIXEL BLOCK,
270 DEGREES

FIG. 111

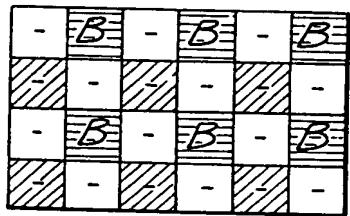


LINEAR INTERPOLATED
PIXELS



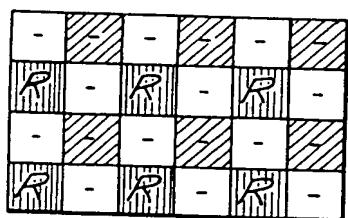
ACTUAL PIXELS (NOT
INTERPOLATED)

FIG. 112



- LINEAR INTERPOLATED PIXELS
- BI-LINEAR INTERPOLATED PIXELS
- ACTUAL PIXELS (NOT INTERPOLATED)

FIG. 113



- LINEAR INTERPOLATED PIXELS
- BI-LINEAR INTERPOLATED PIXELS
- ACTUAL PIXELS (NOT INTERPOLATED)

FIG. 114

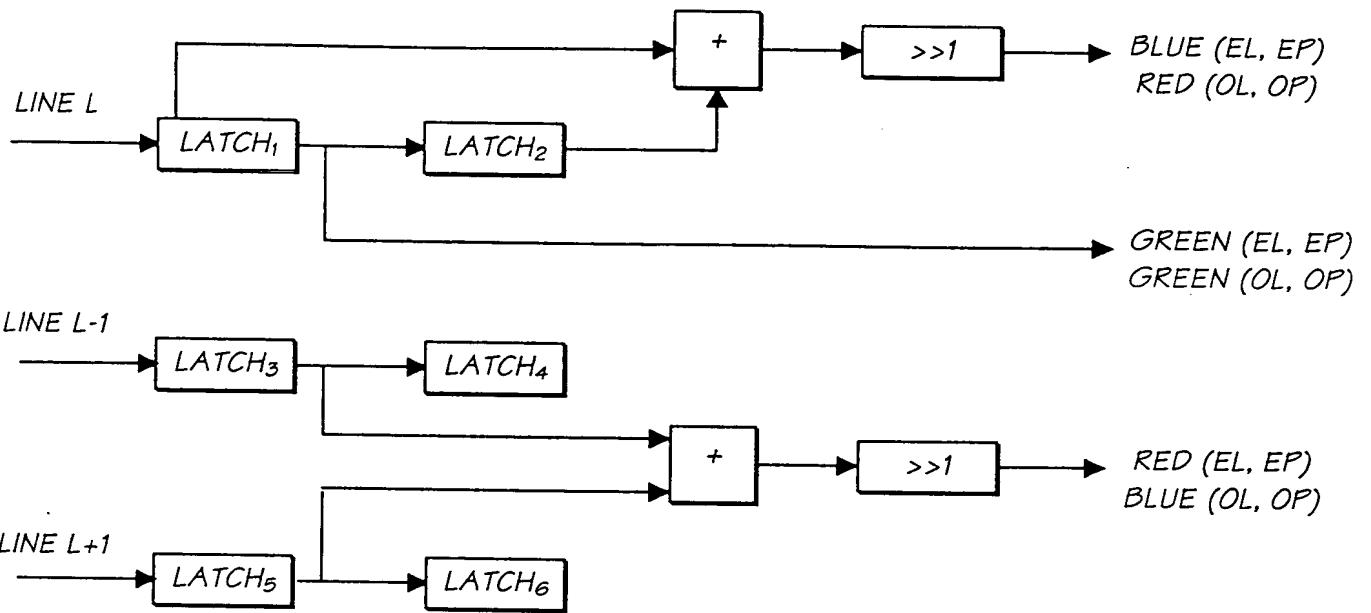


FIG. 115

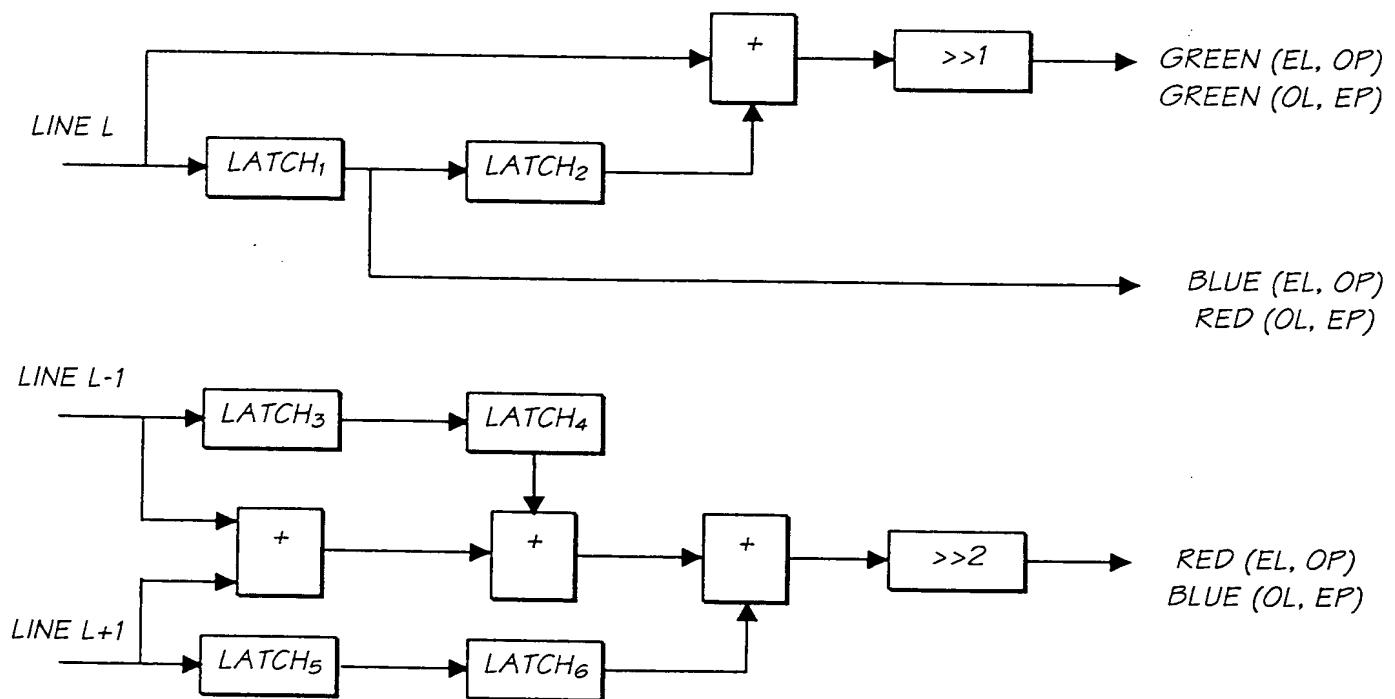


FIG. 116

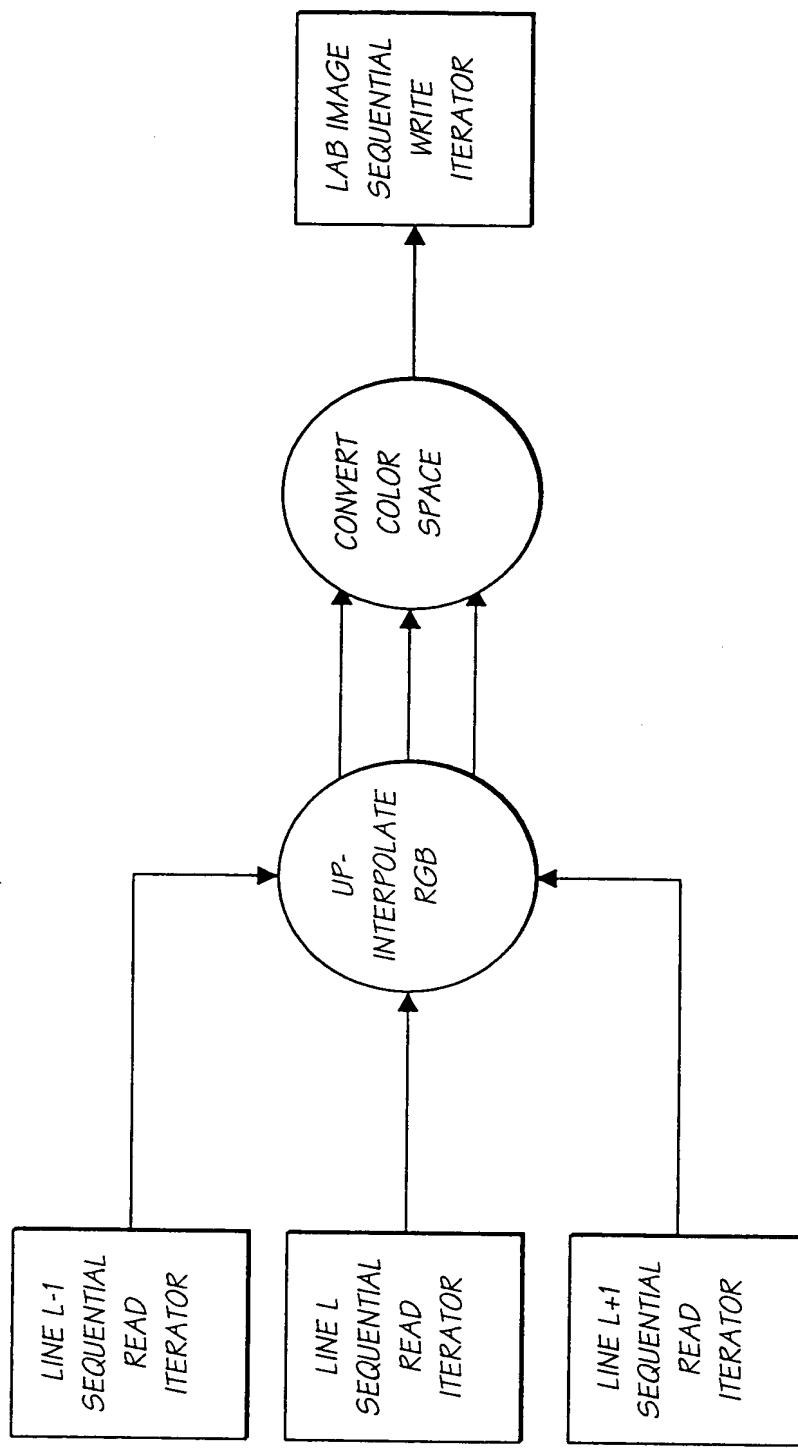


FIG. 117

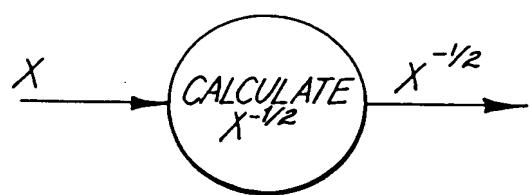


FIG. 118

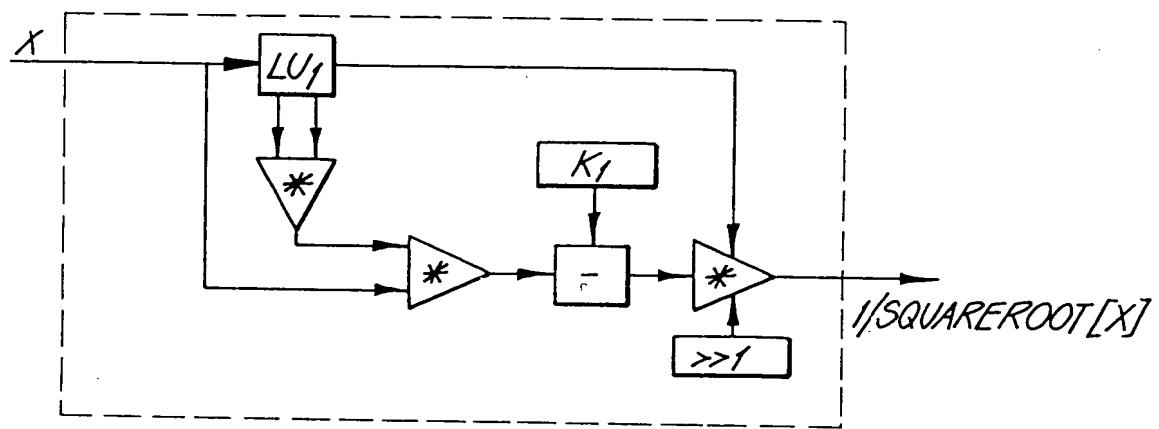


FIG. 119

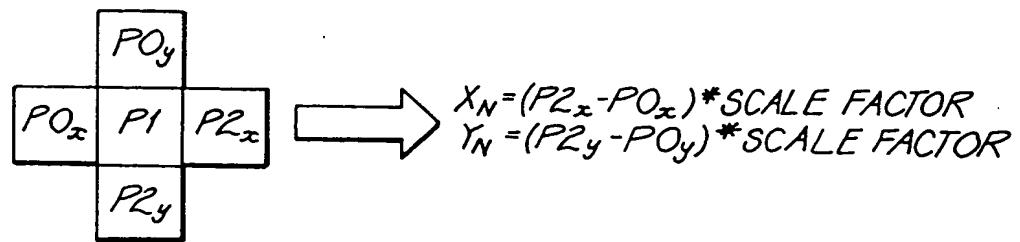


FIG. 120

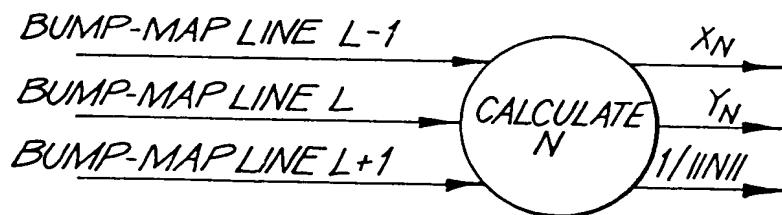


FIG. 121

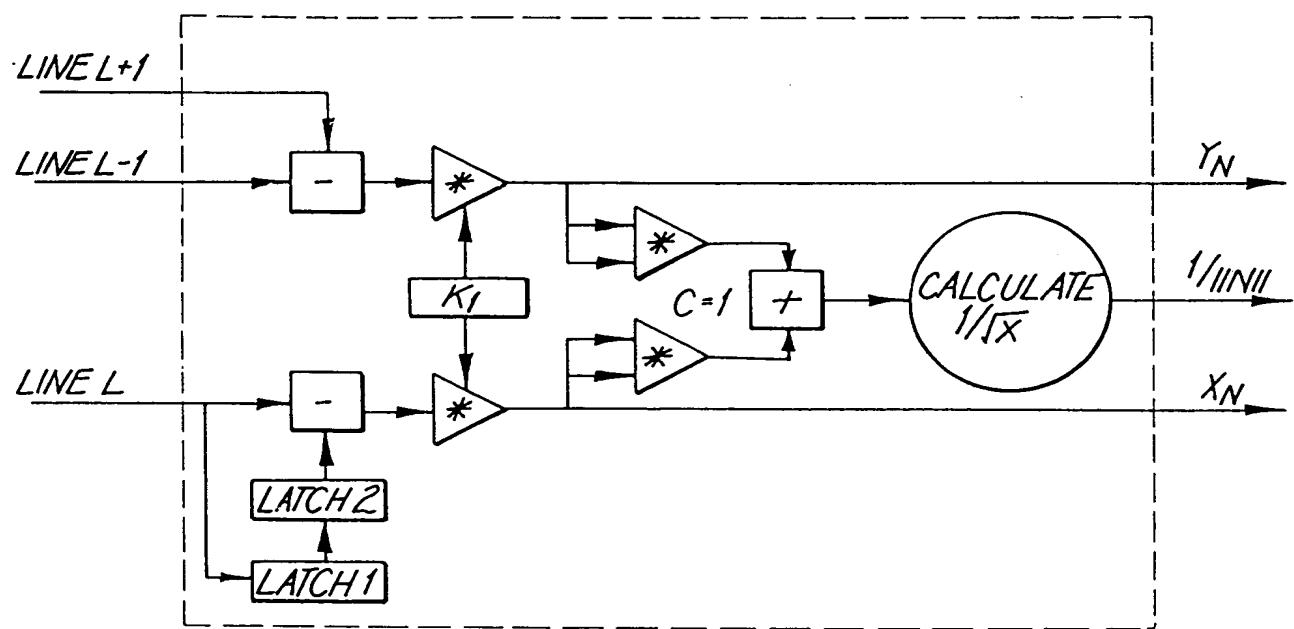


FIG. 122

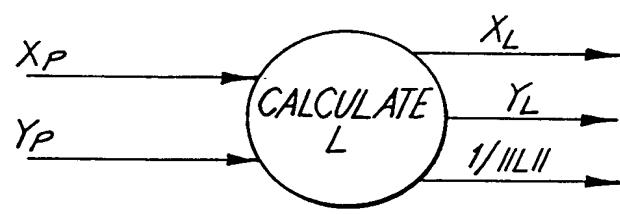


FIG. 123

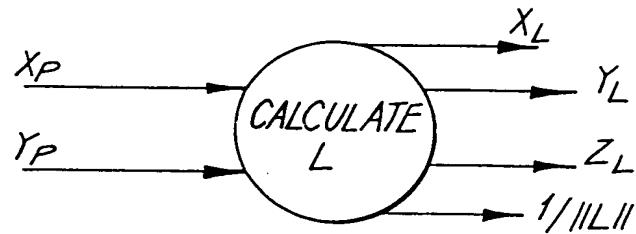


FIG. 124

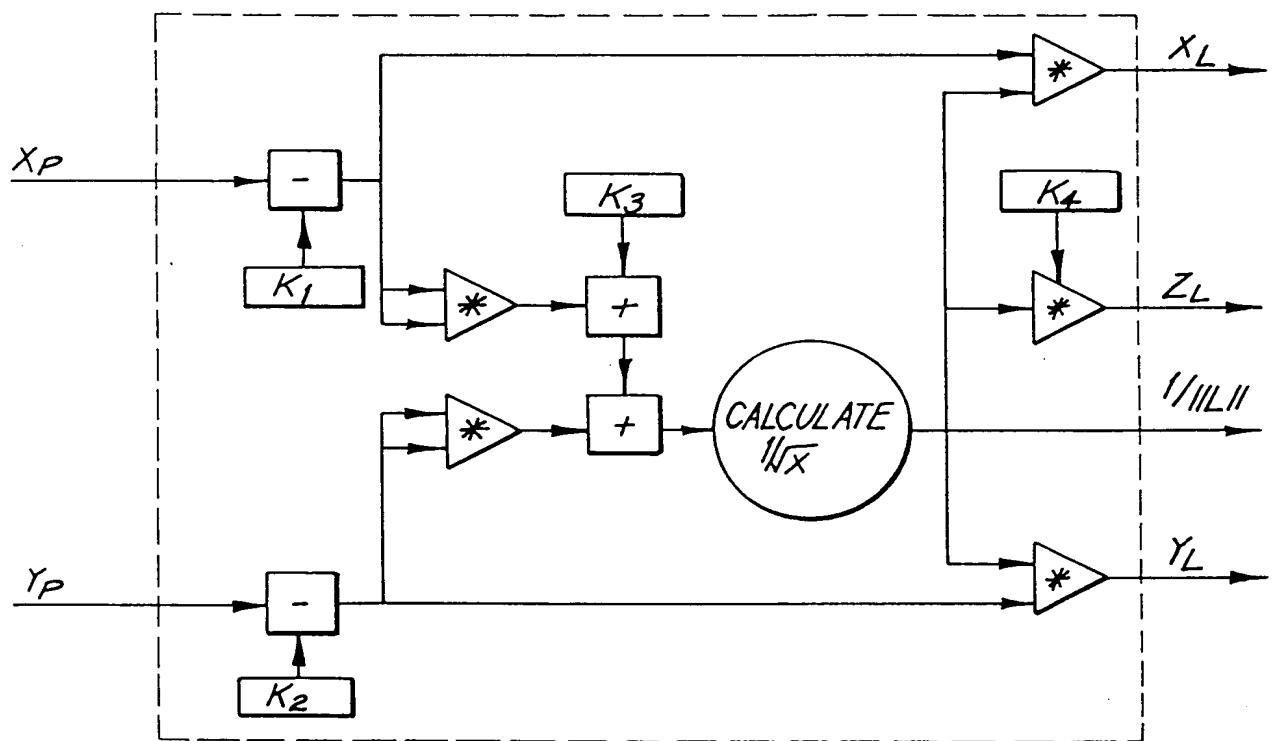


FIG. 125

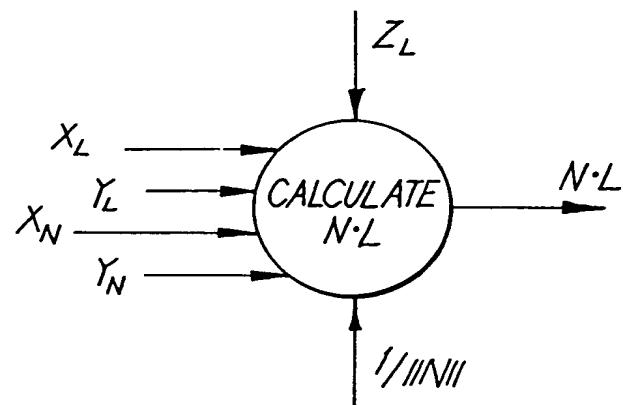


FIG. 126

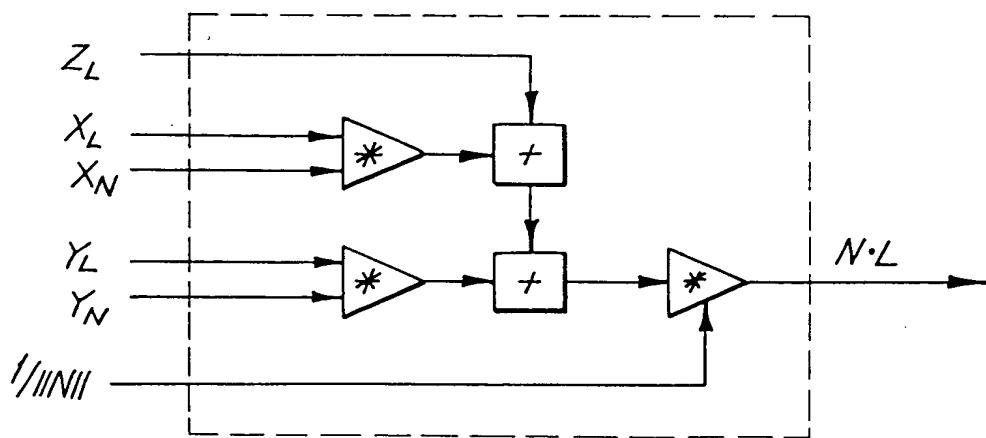


FIG. 127

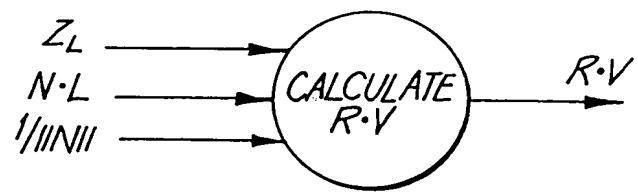


FIG. 128

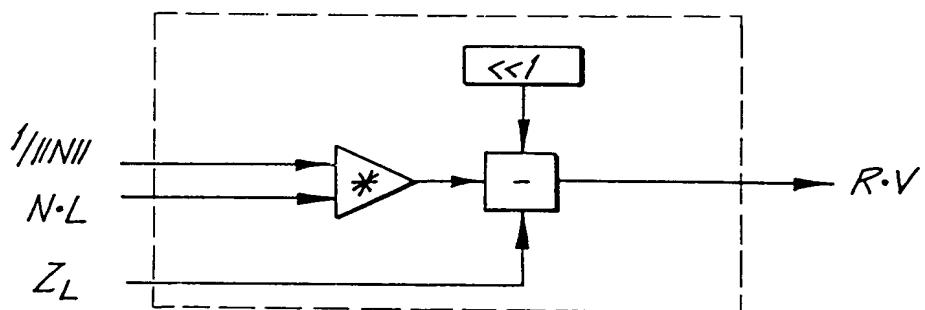


FIG. 129

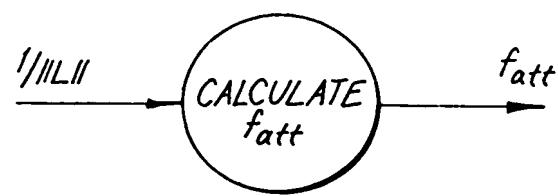


FIG. 130

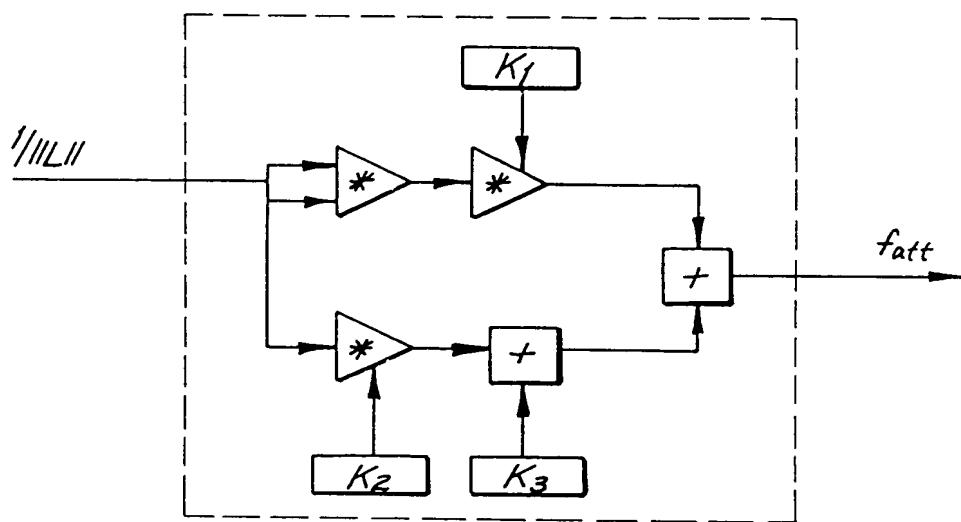


FIG. 131

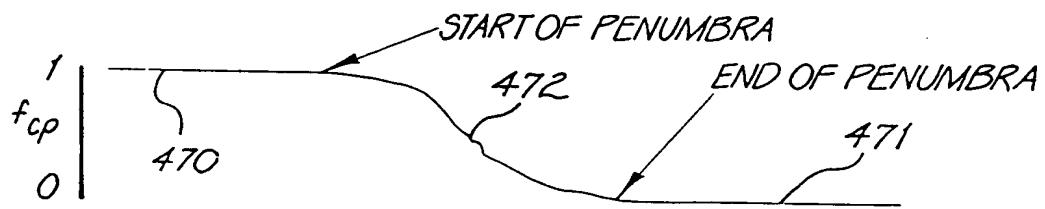


FIG. 132

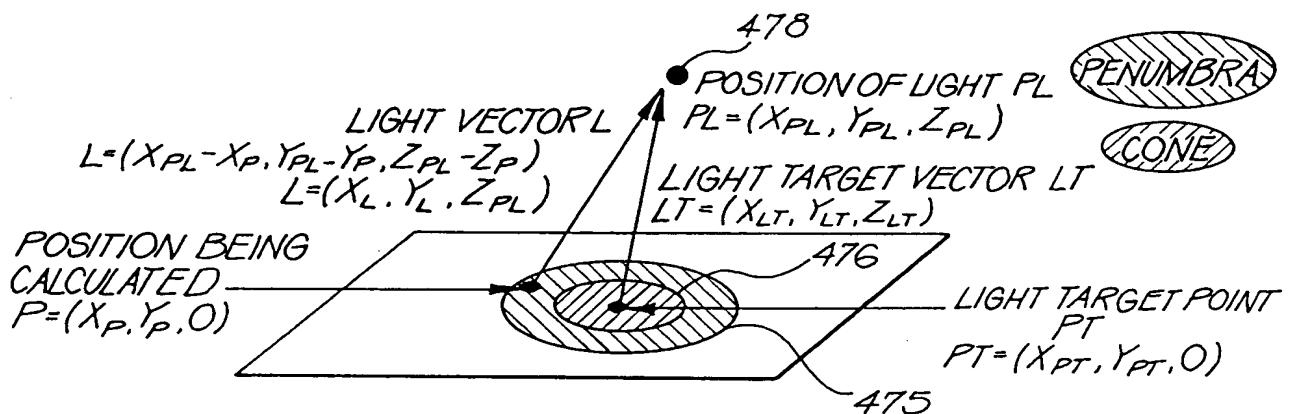


FIG. 133

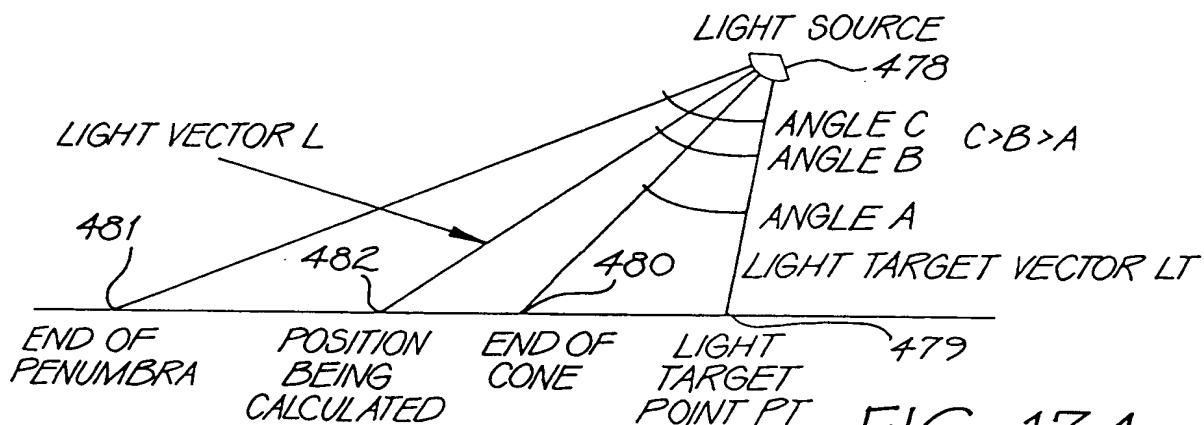


FIG. 134

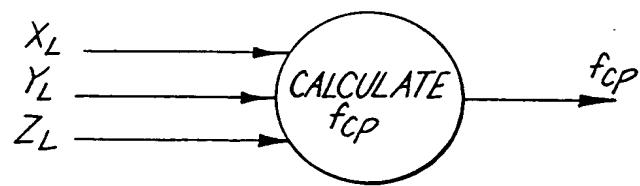


FIG. 135

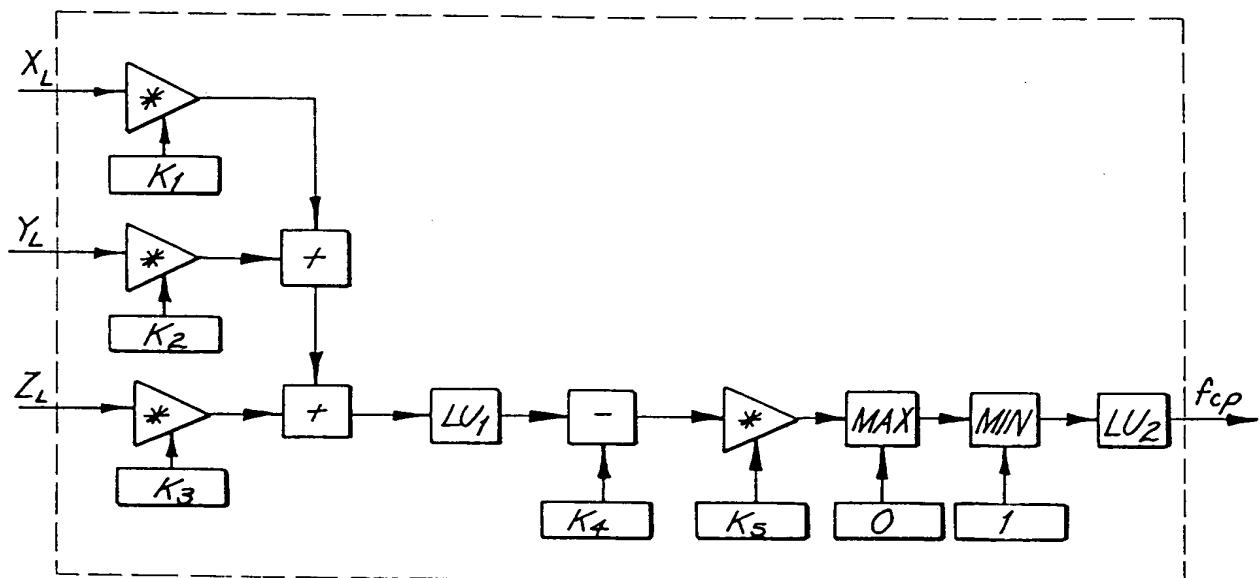


FIG. 136

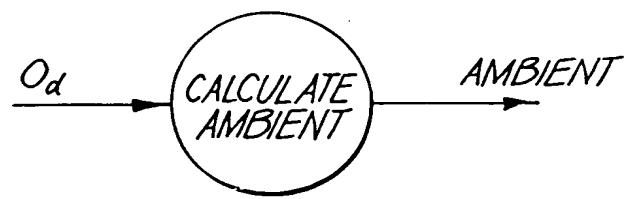


FIG. 137

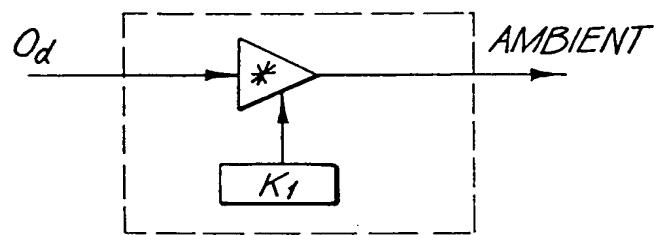


FIG. 138

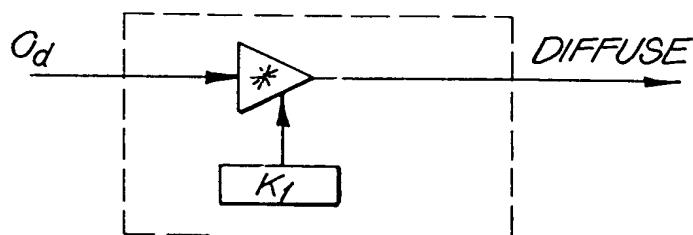


FIG. 139

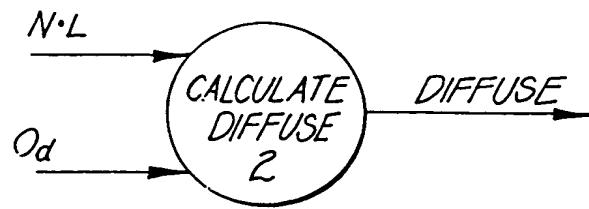


FIG. 140

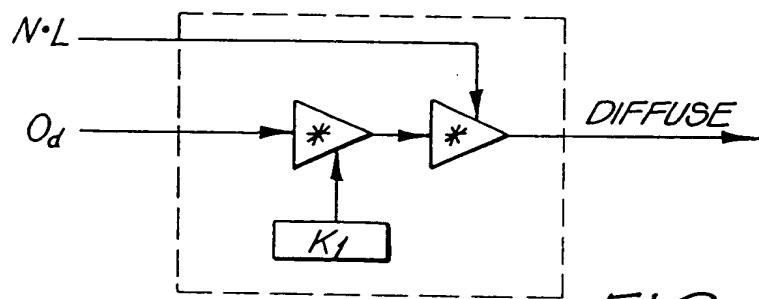


FIG. 141

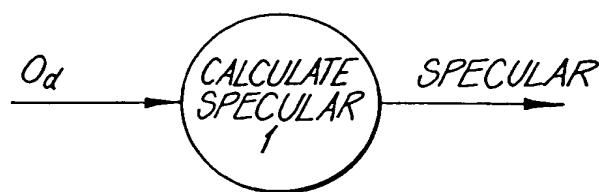


FIG. 142

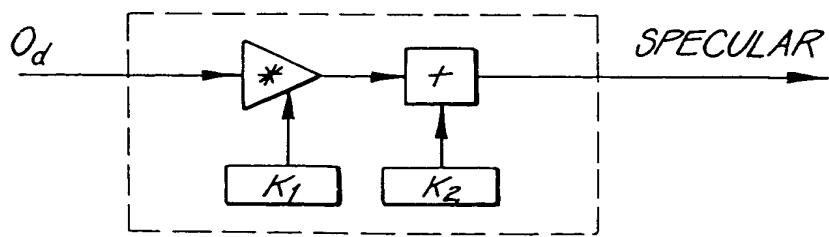


FIG. 143

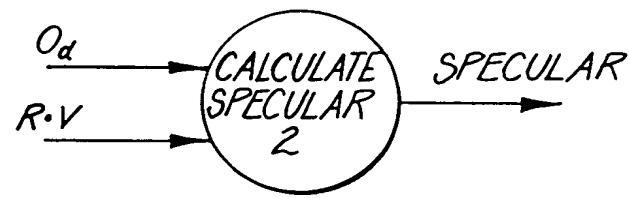


FIG. 144

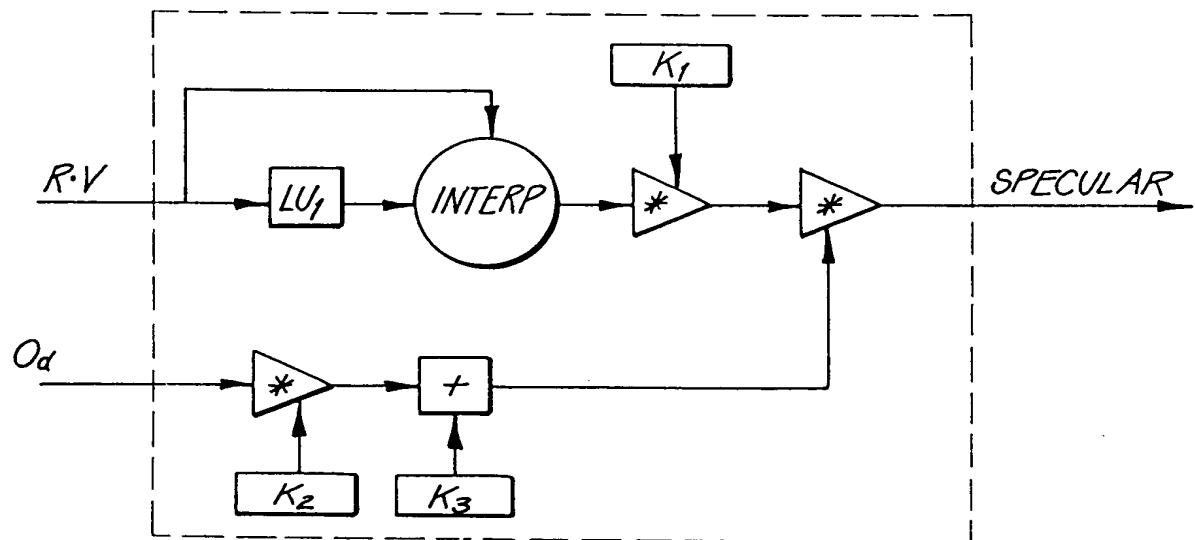


FIG. 145

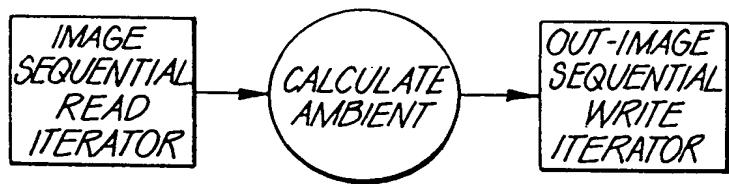


FIG. 146

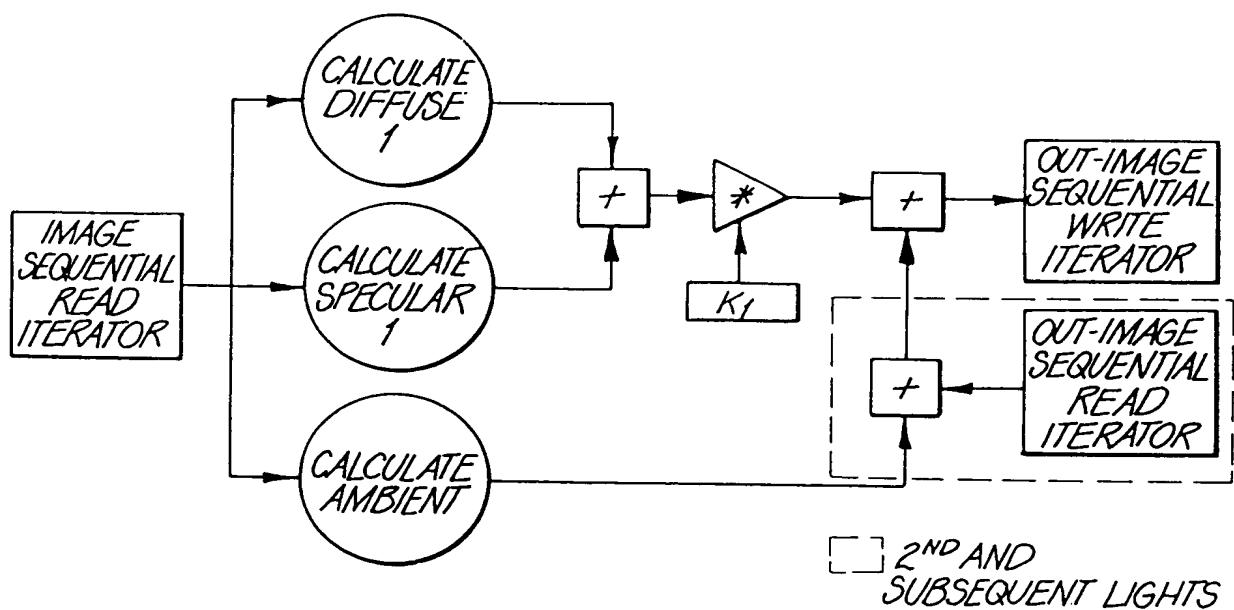


FIG. 147

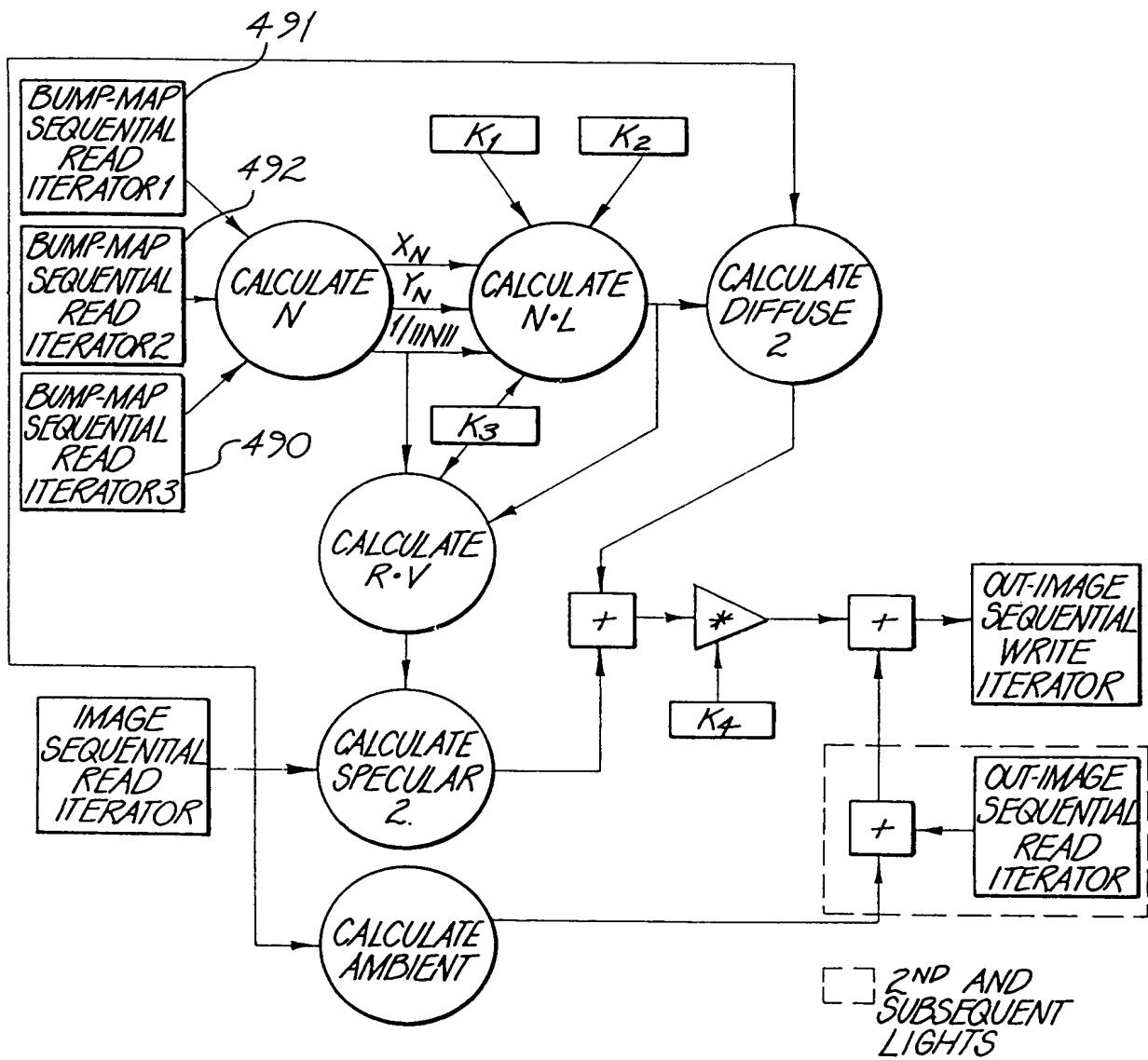


FIG. 148

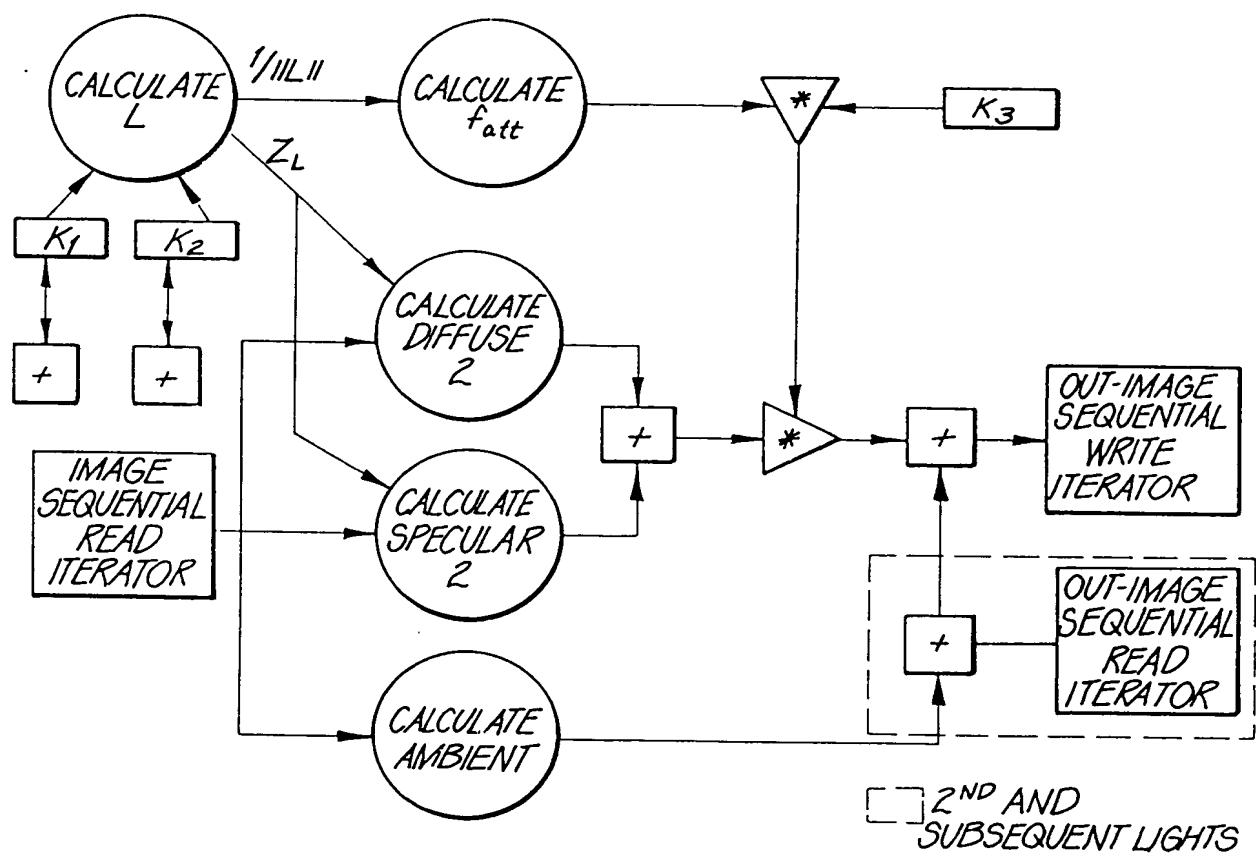


FIG. 149

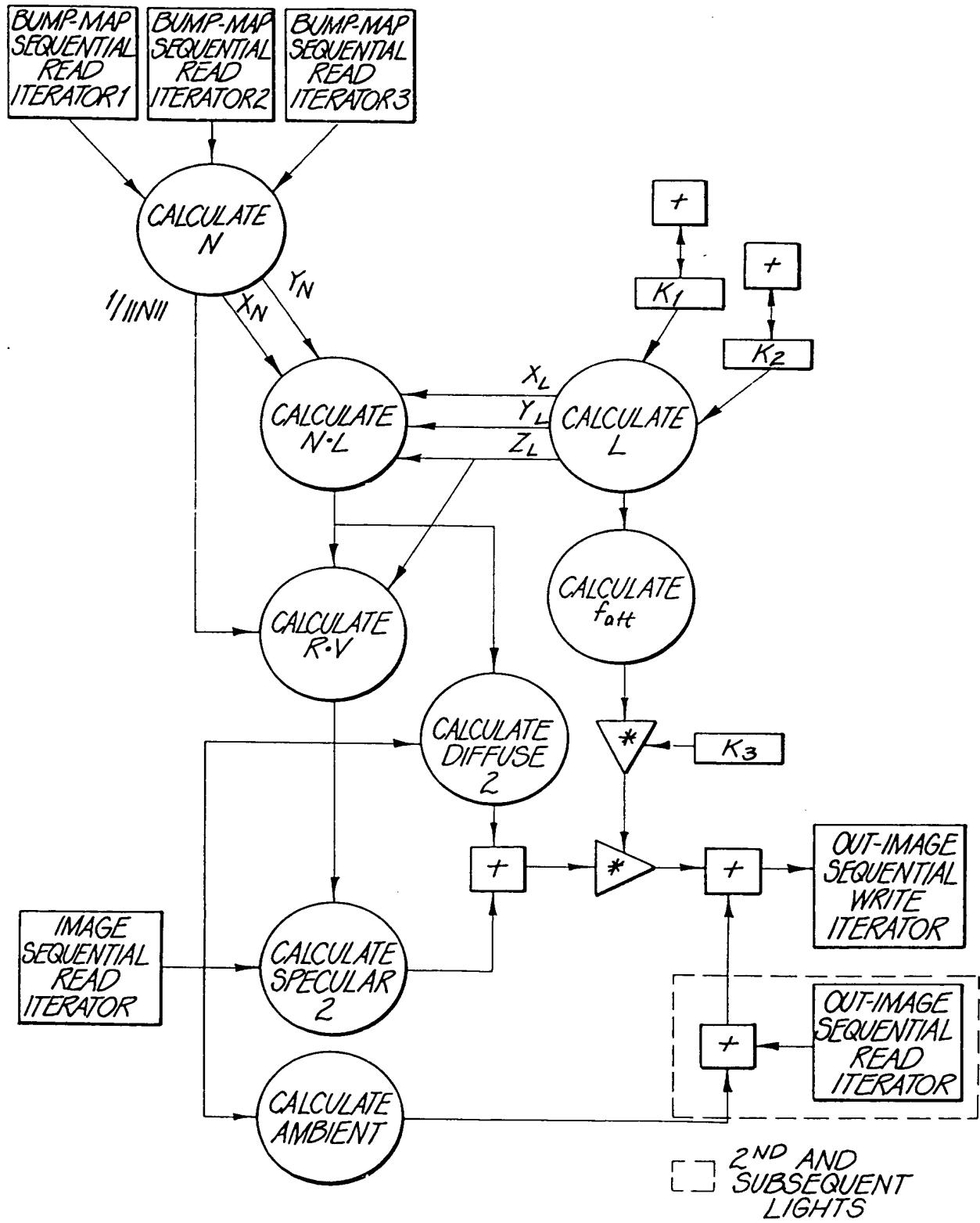


FIG. 150

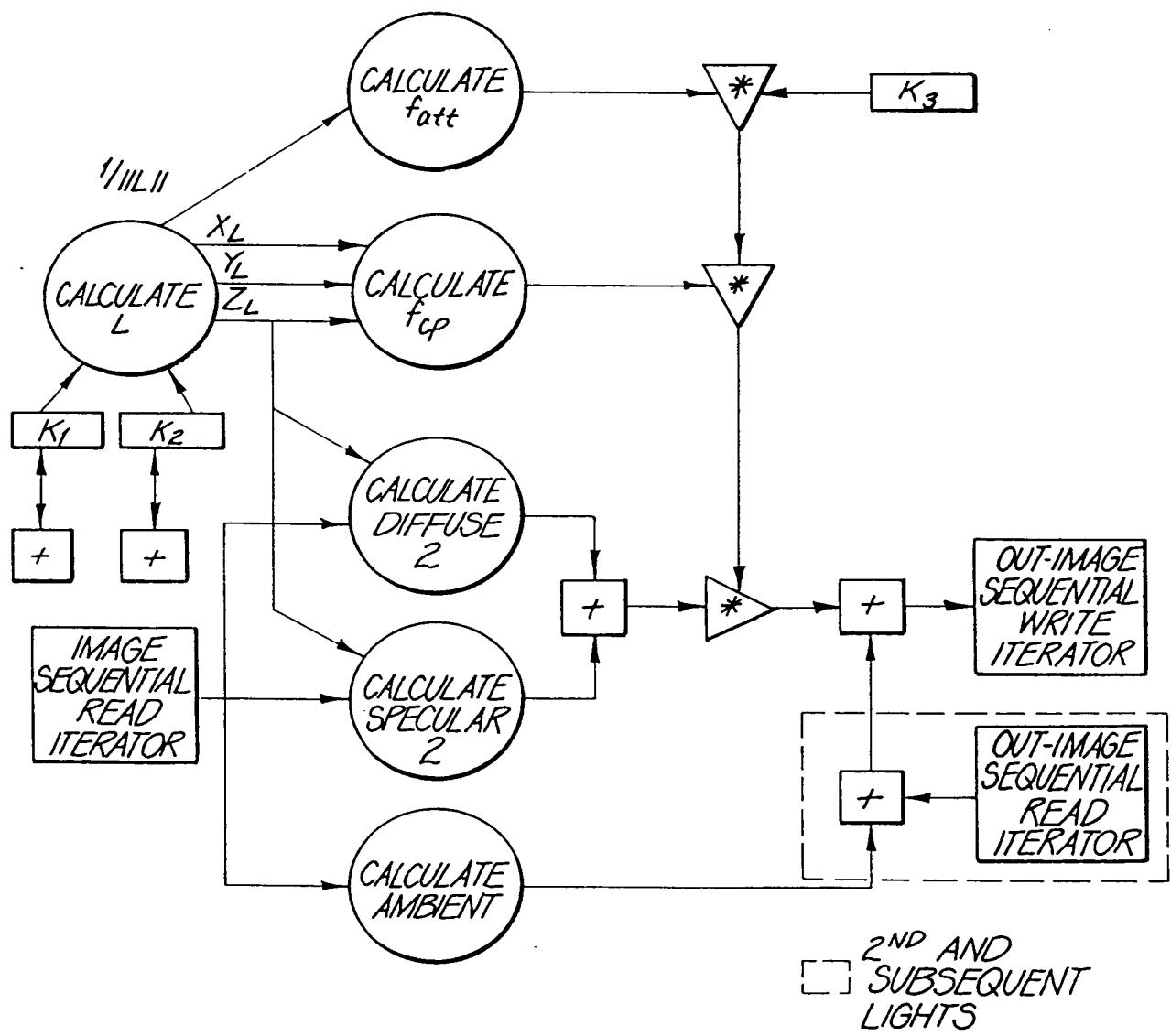


FIG. 151

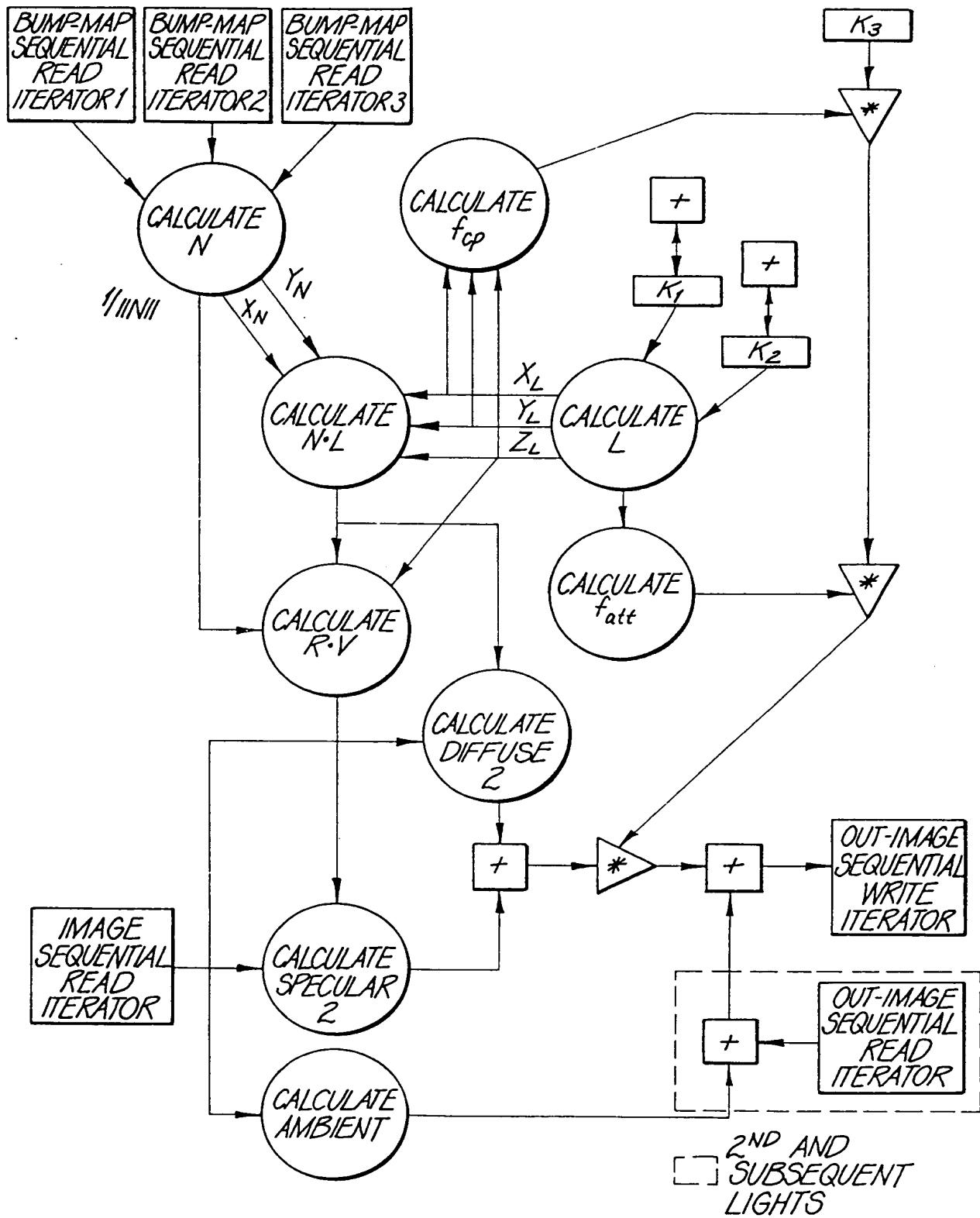
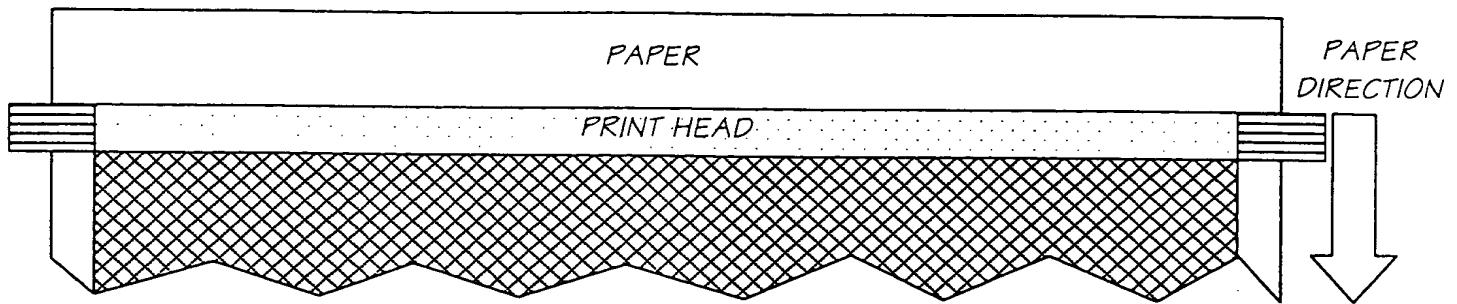


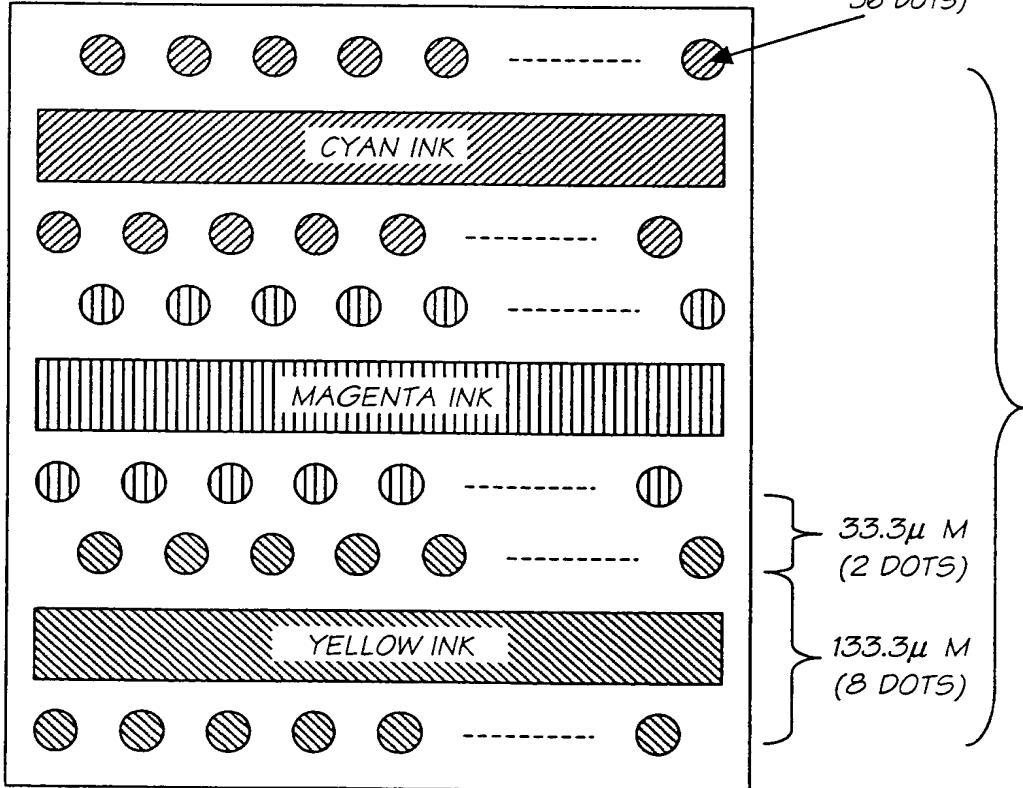
FIG. 152



8 PRINT HEAD SEGMENTS IN PRINT HEAD

SEGMENT 0	SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4	SEGMENT 5	SEGMENT 6	SEGMENT 7
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1250 μ M
(375 DOTS PER SEGMENT ROW, OR 750 DOTS PER SEGMENT)



EACH SEGMENT CONTAINS 6 ROWS OF DOTS: ODD AND EVEN CYAN, MAGENTA, AND YELLOW.

FIG. 153

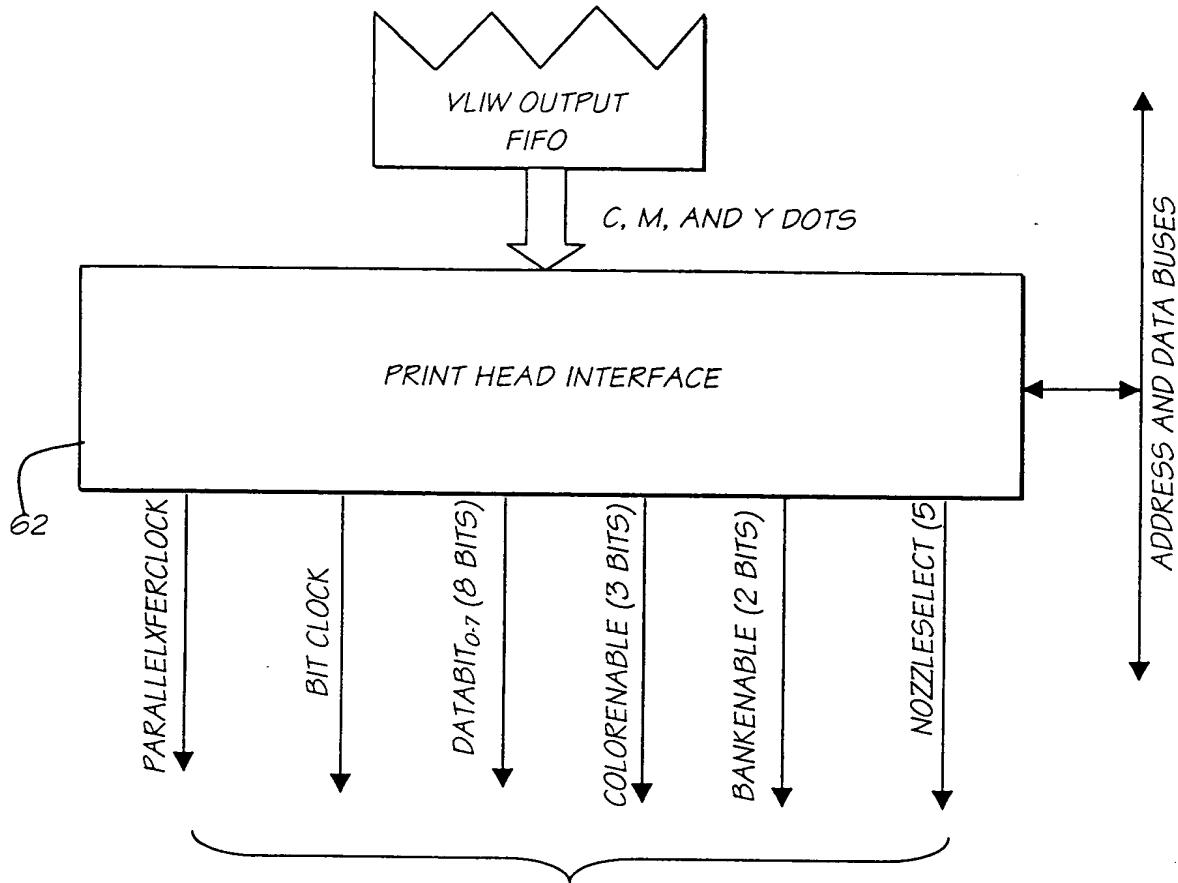
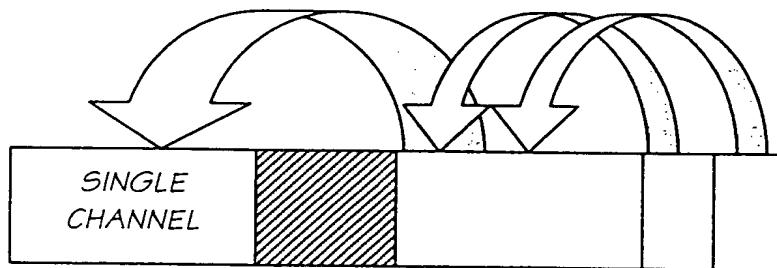


FIG. 154



BECOMES:

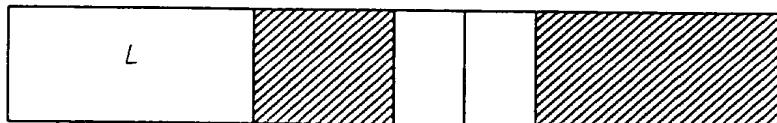


FIG. 155

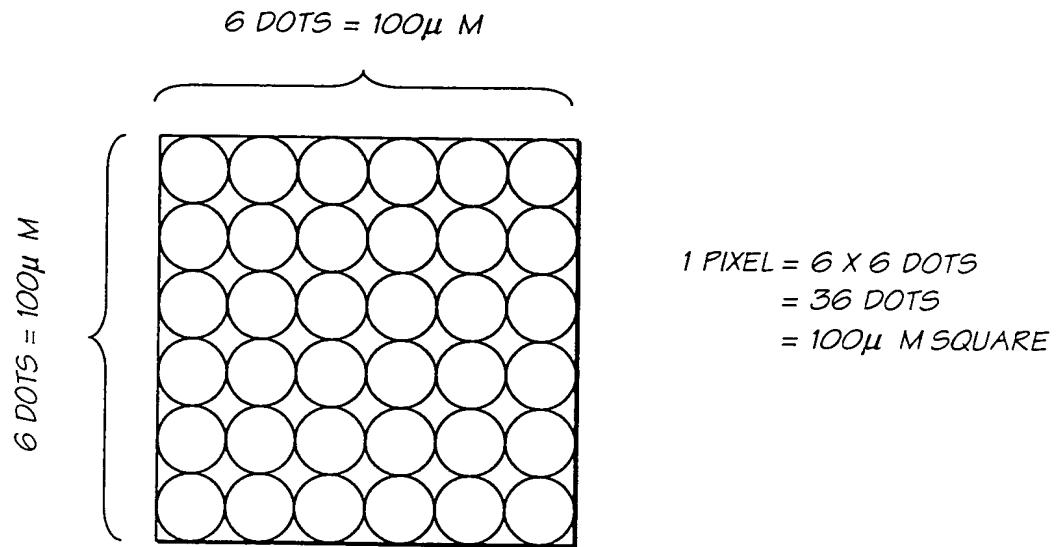


FIG. 156

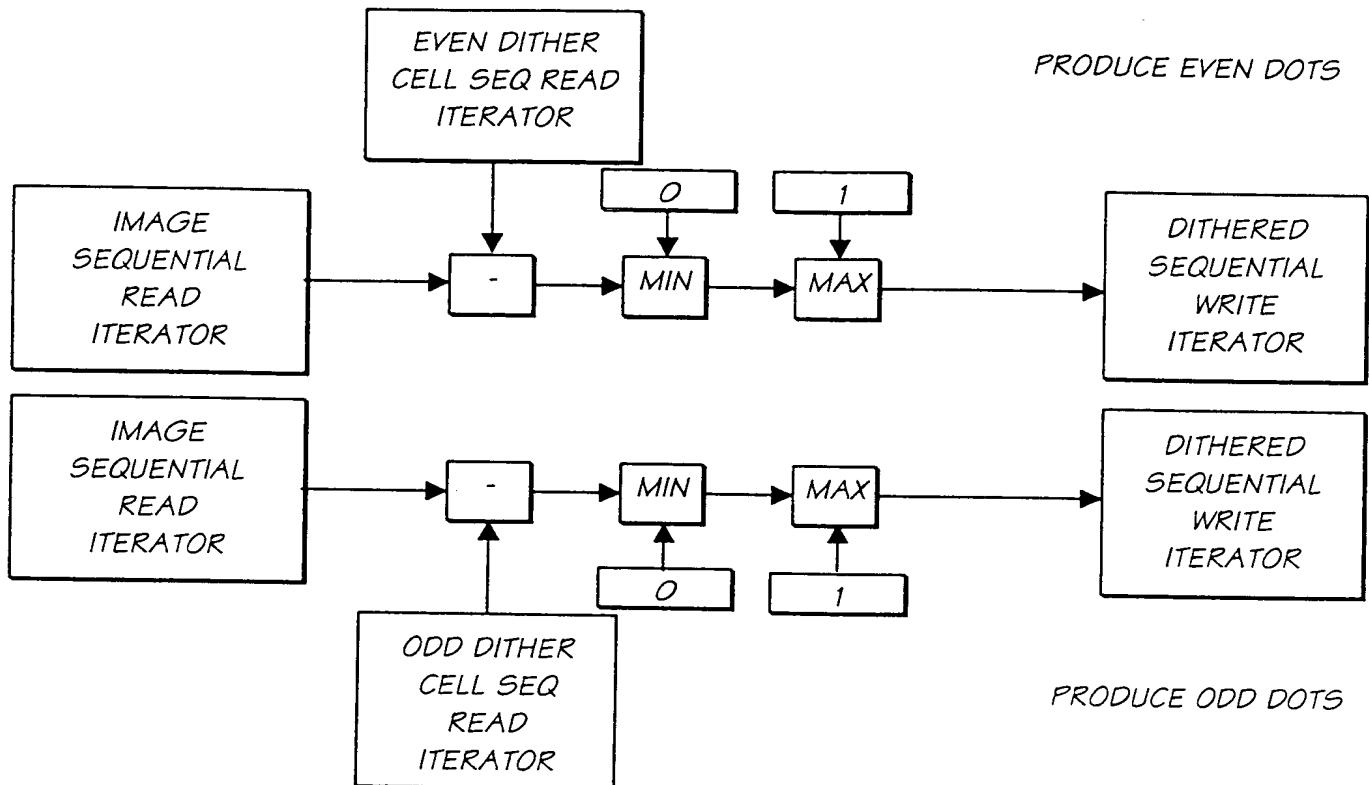


FIG. 157

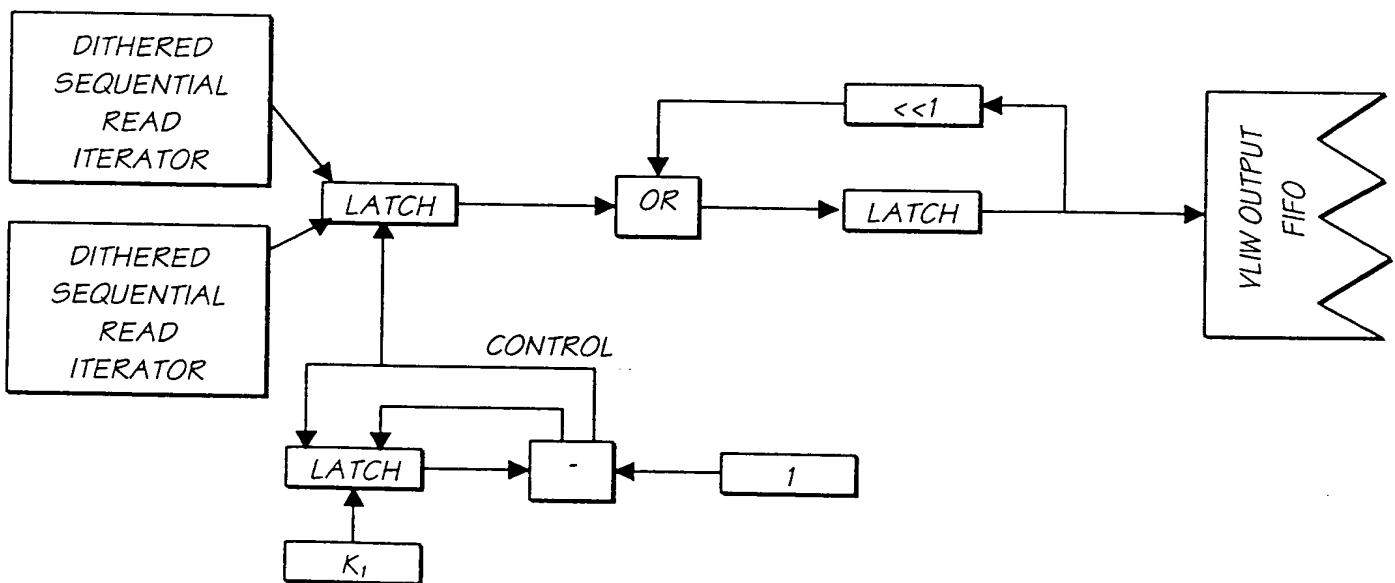
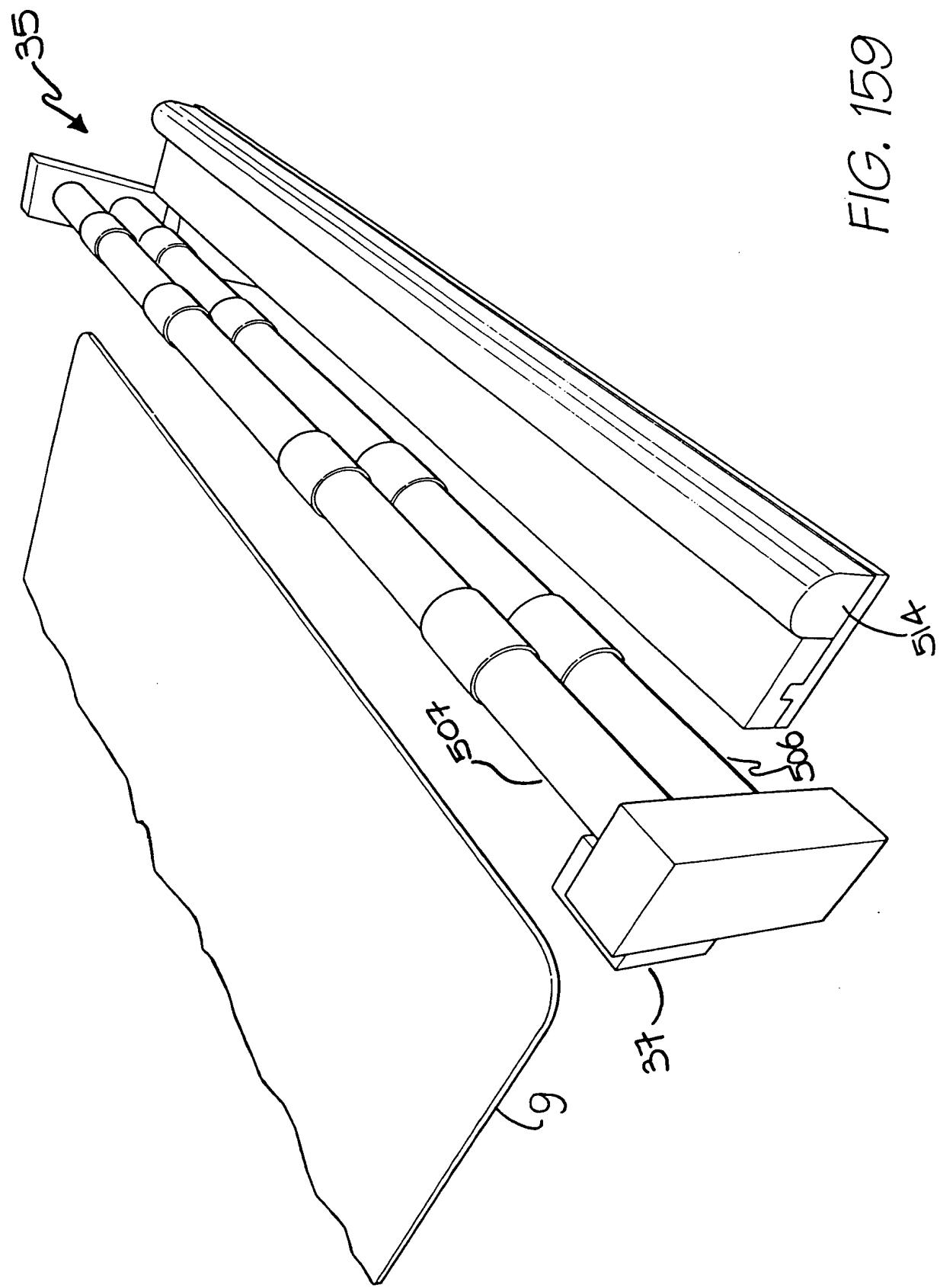


FIG. 158

FIG. 159



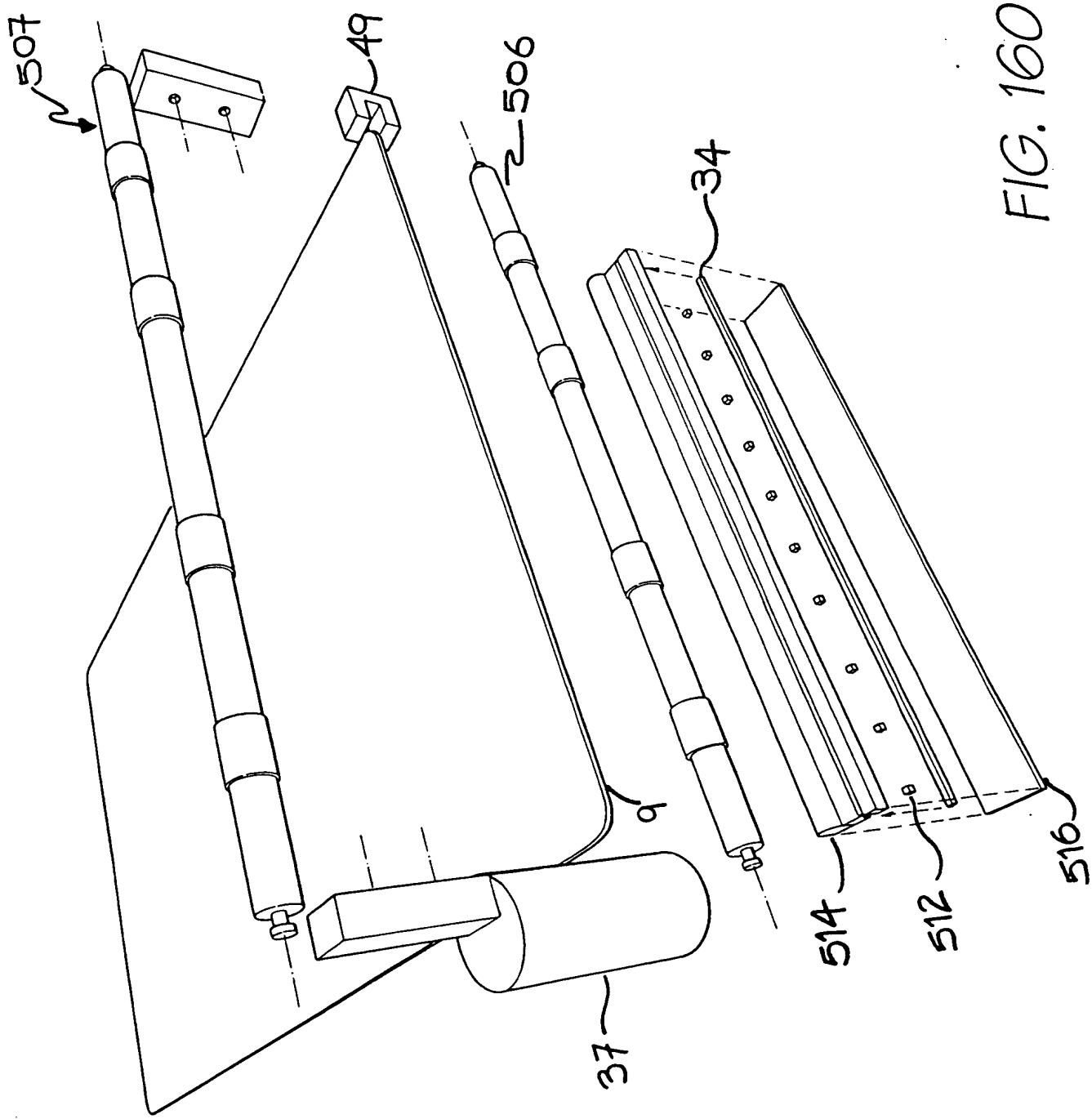


FIG. 160

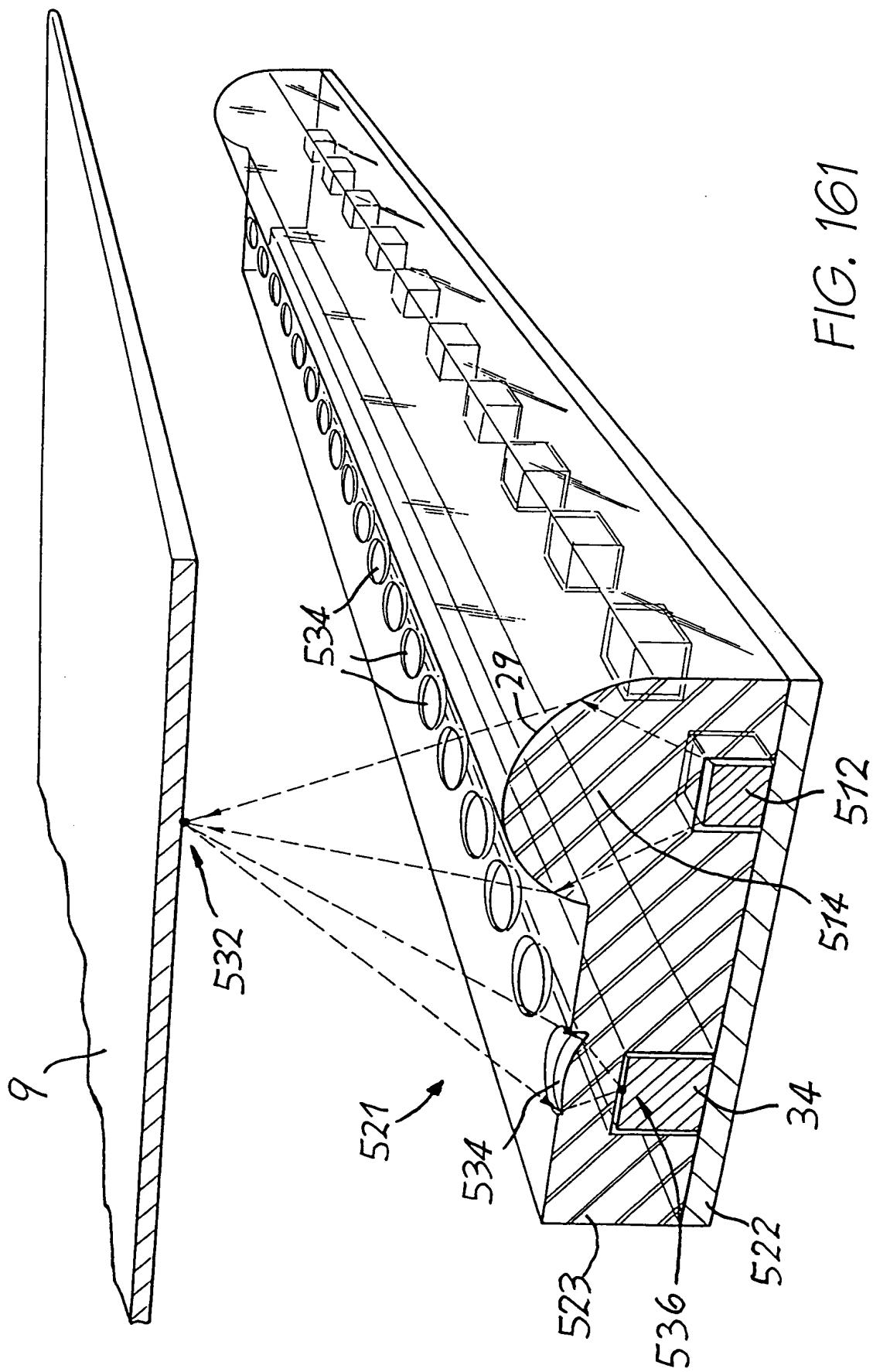


FIG. 161

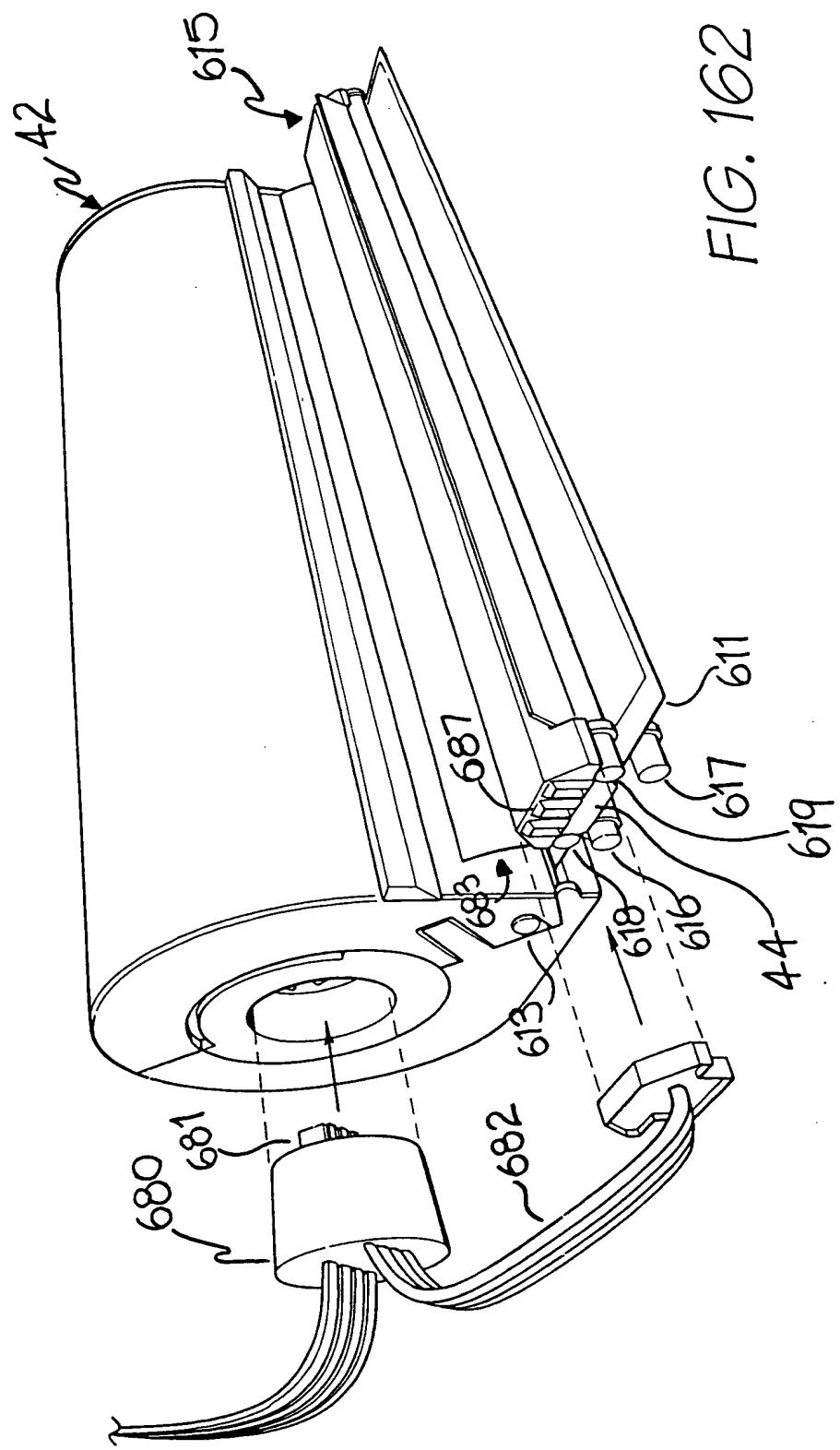


FIG. 162

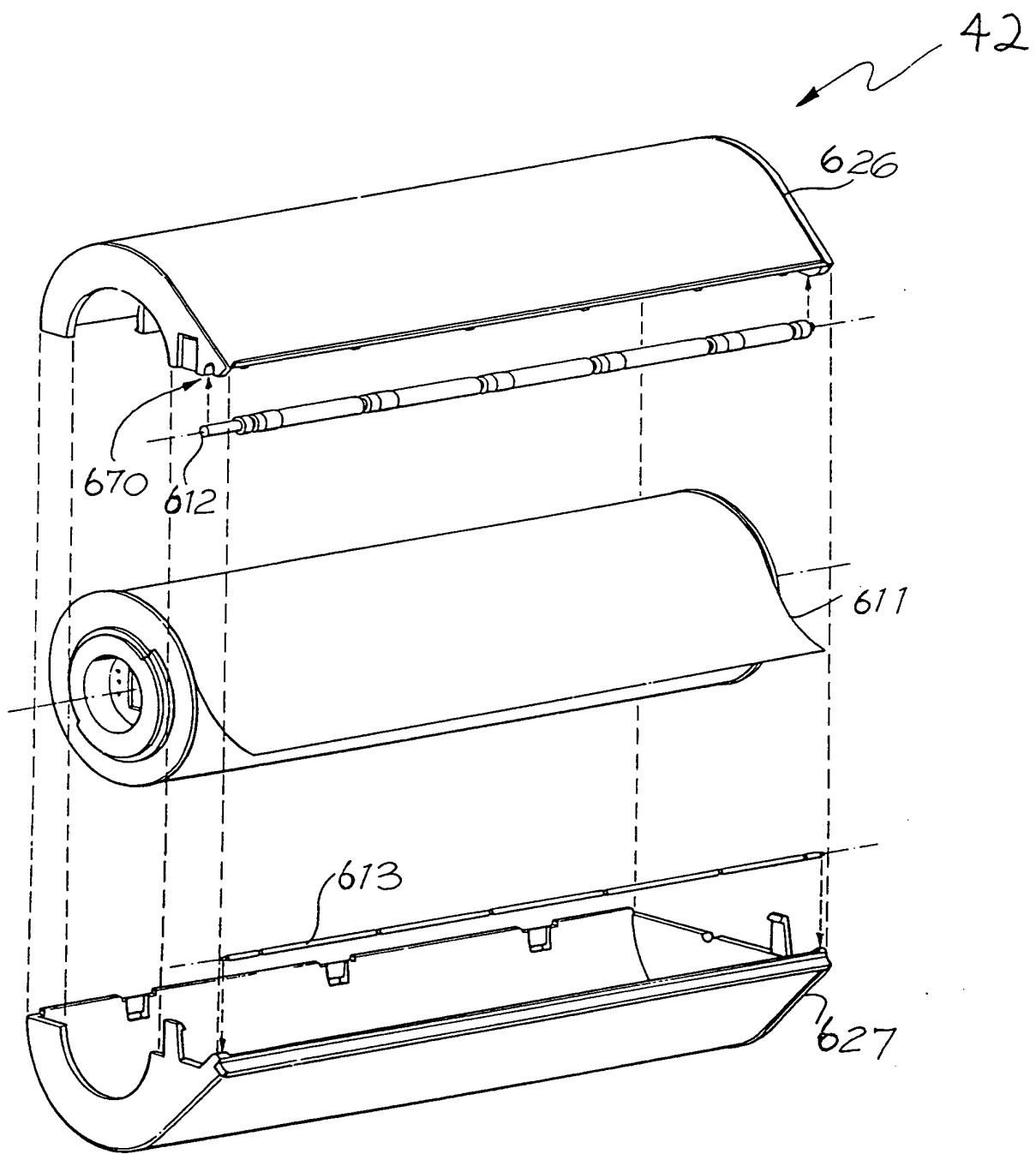


FIG. 163

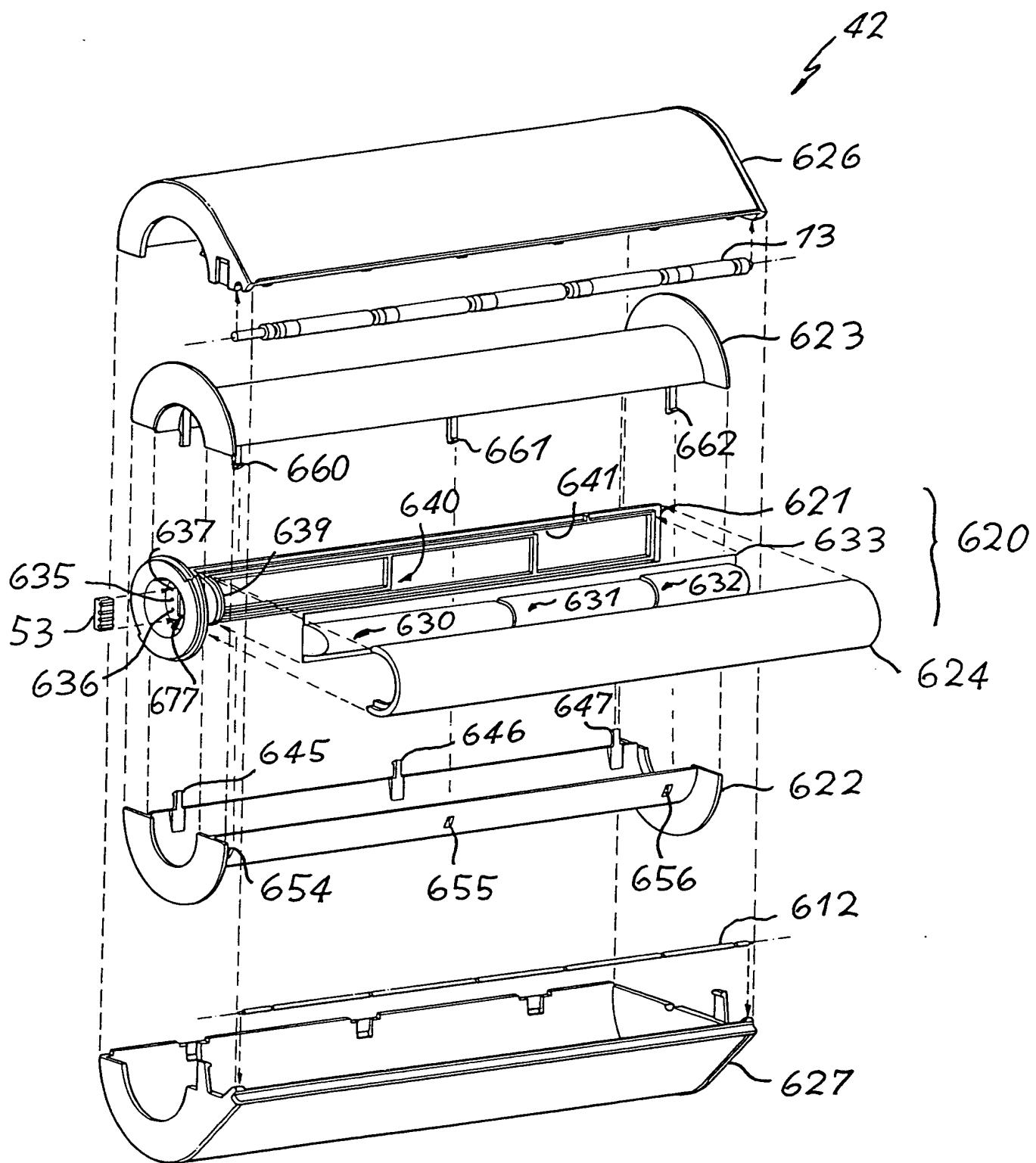


FIG. 164

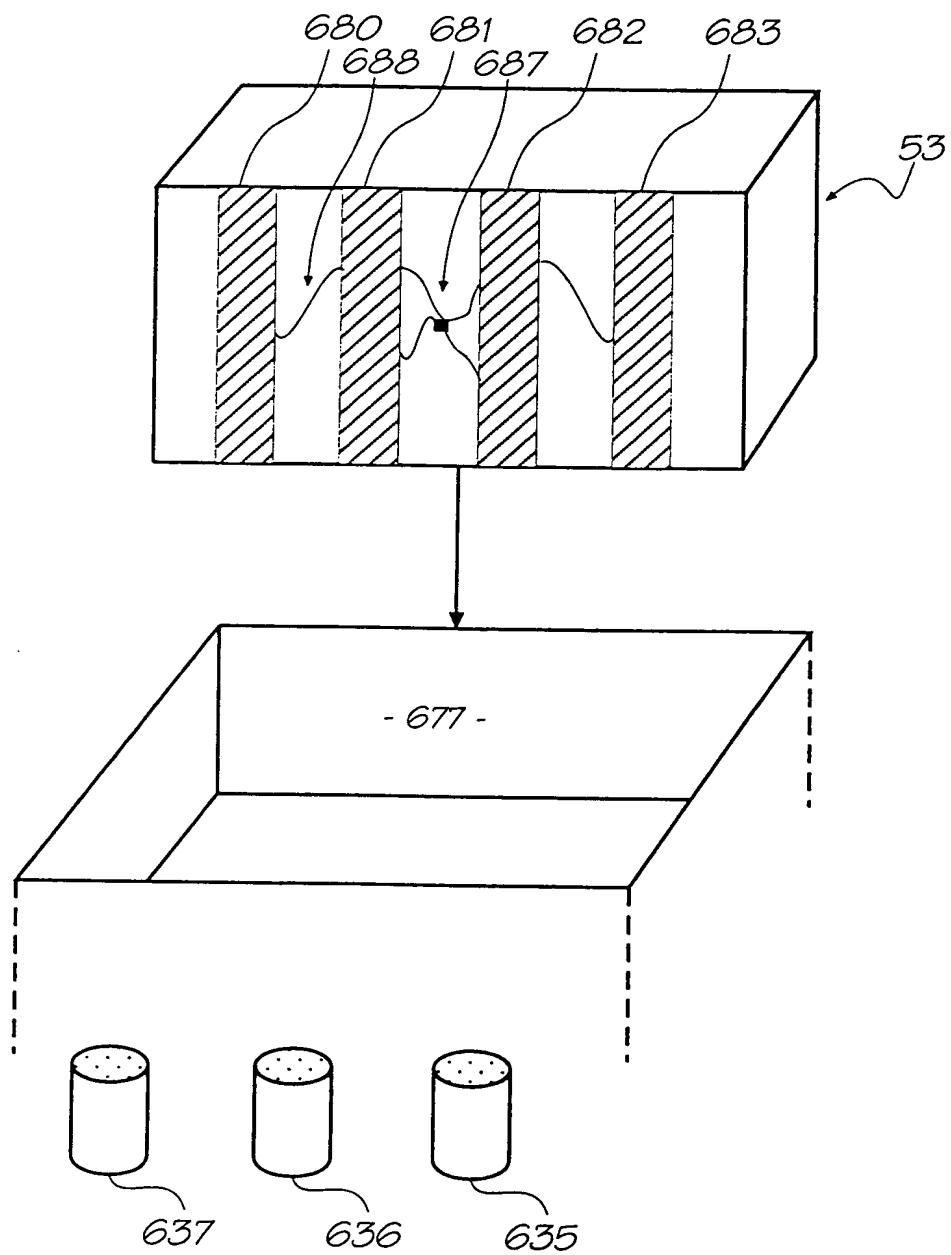


FIG. 165

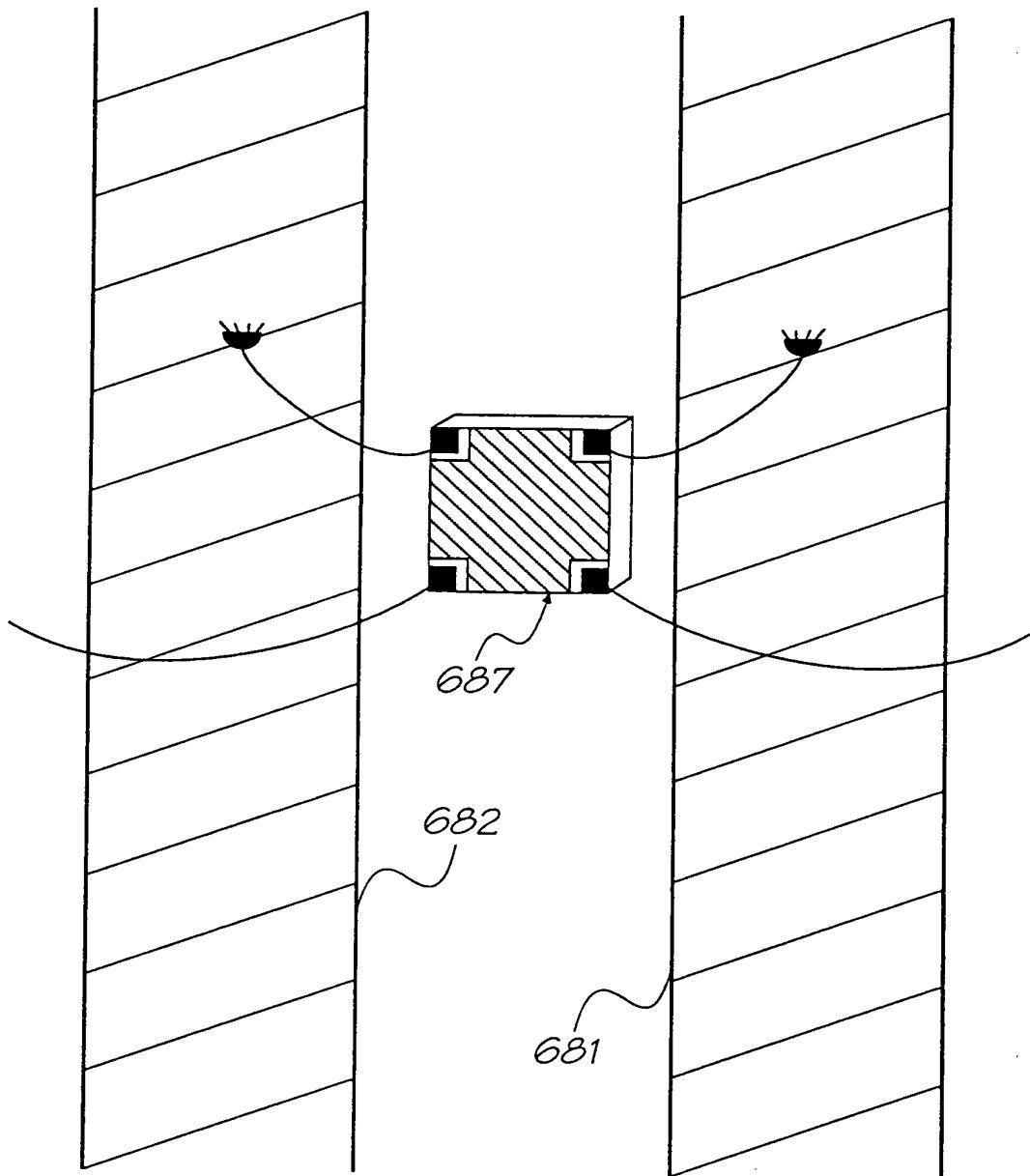


FIG. 166

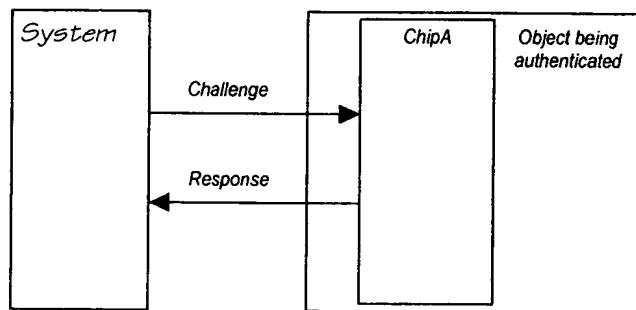


FIG. 167

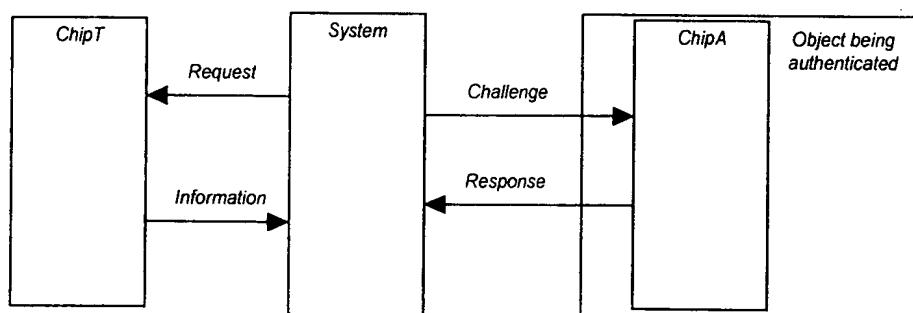


FIG. 168

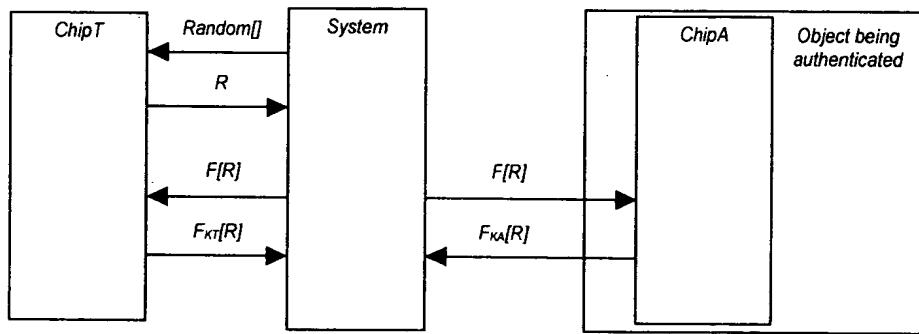


FIG. 169

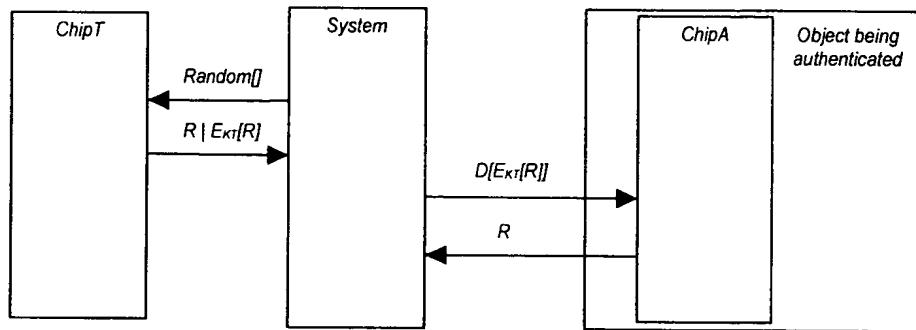


FIG. 170

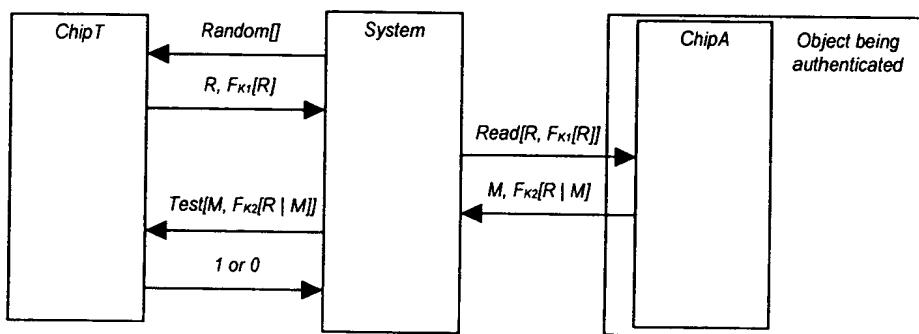


FIG. 171

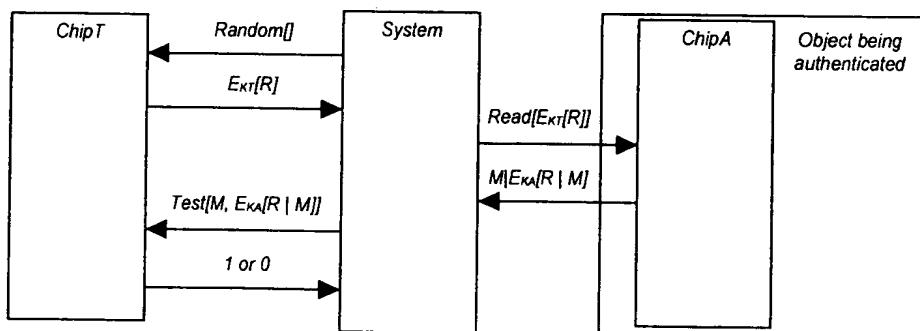


FIG. 172

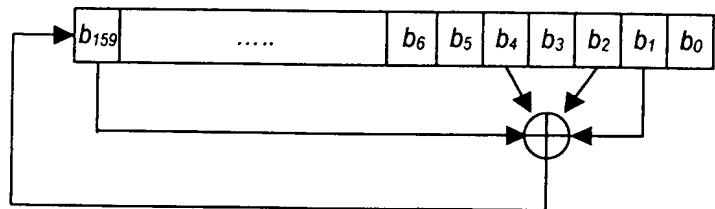


FIG. 173

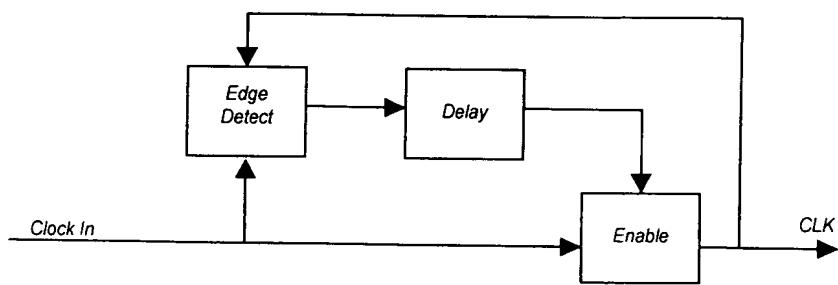


FIG. 174

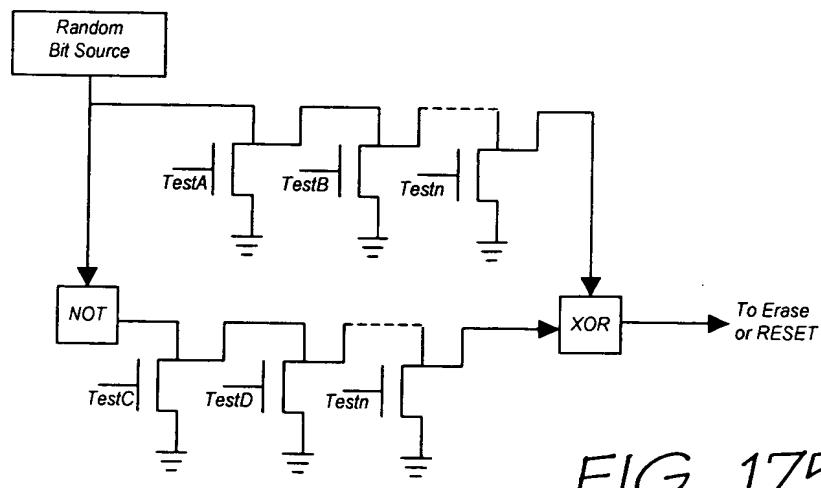


FIG. 175

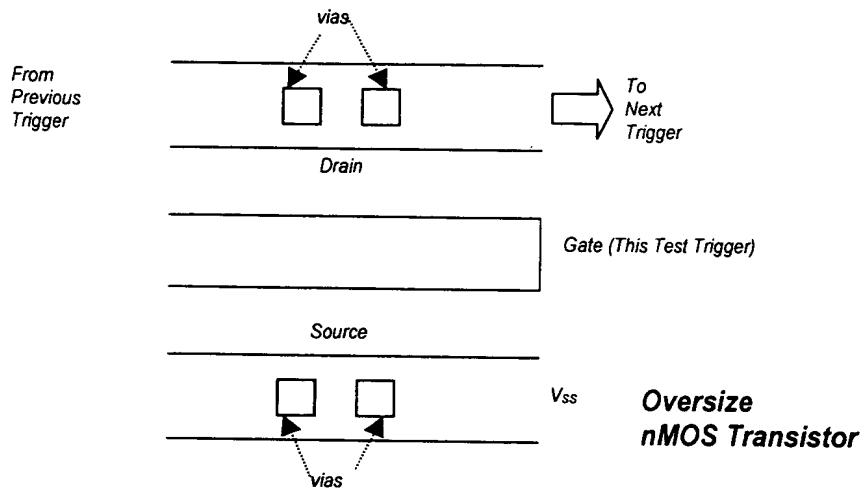


FIG. 176

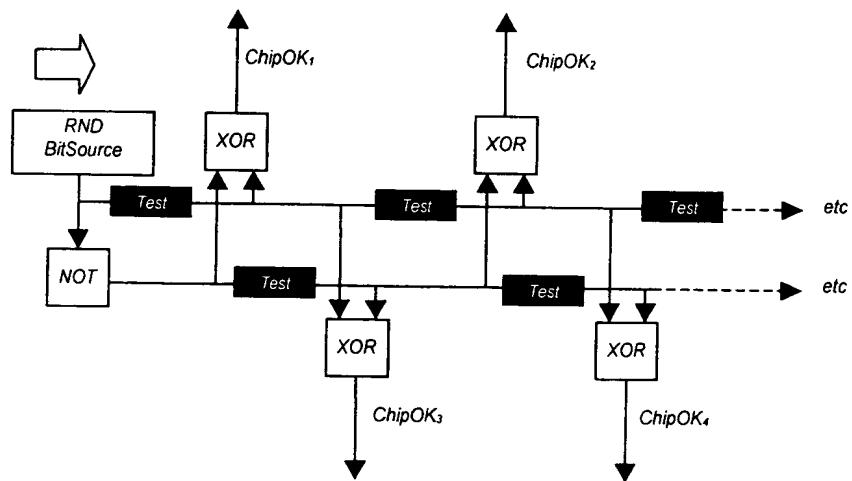


FIG. 177

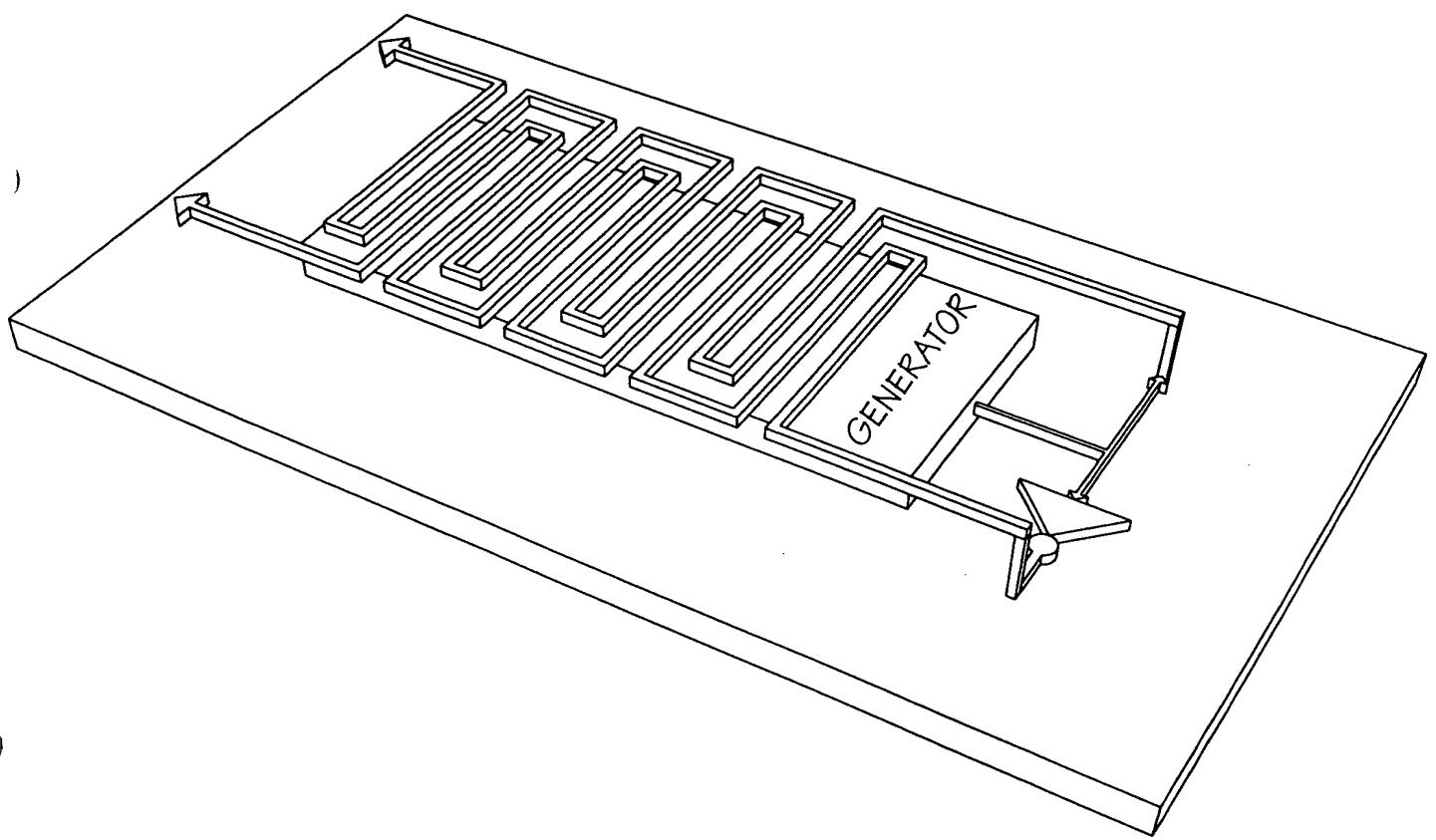


FIG. 178

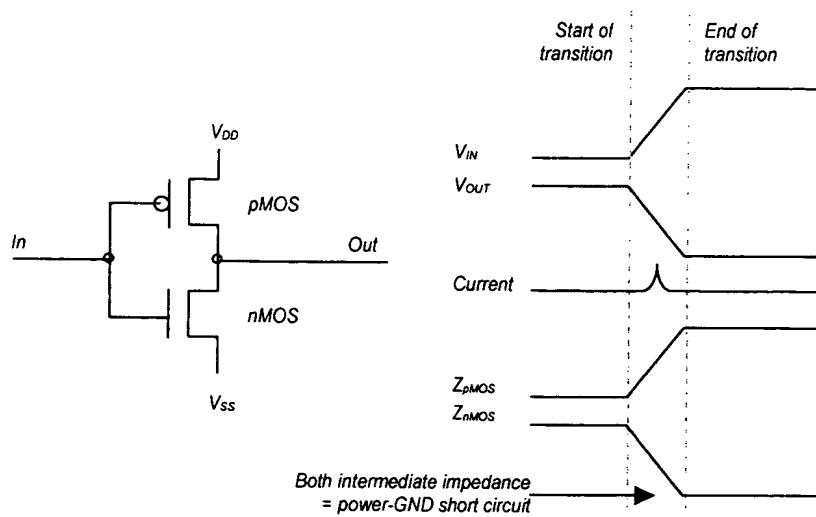


FIG. 179

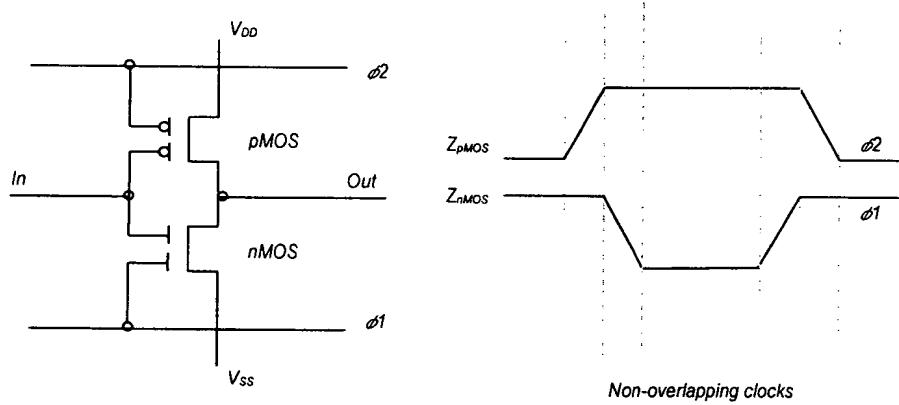


FIG. 180

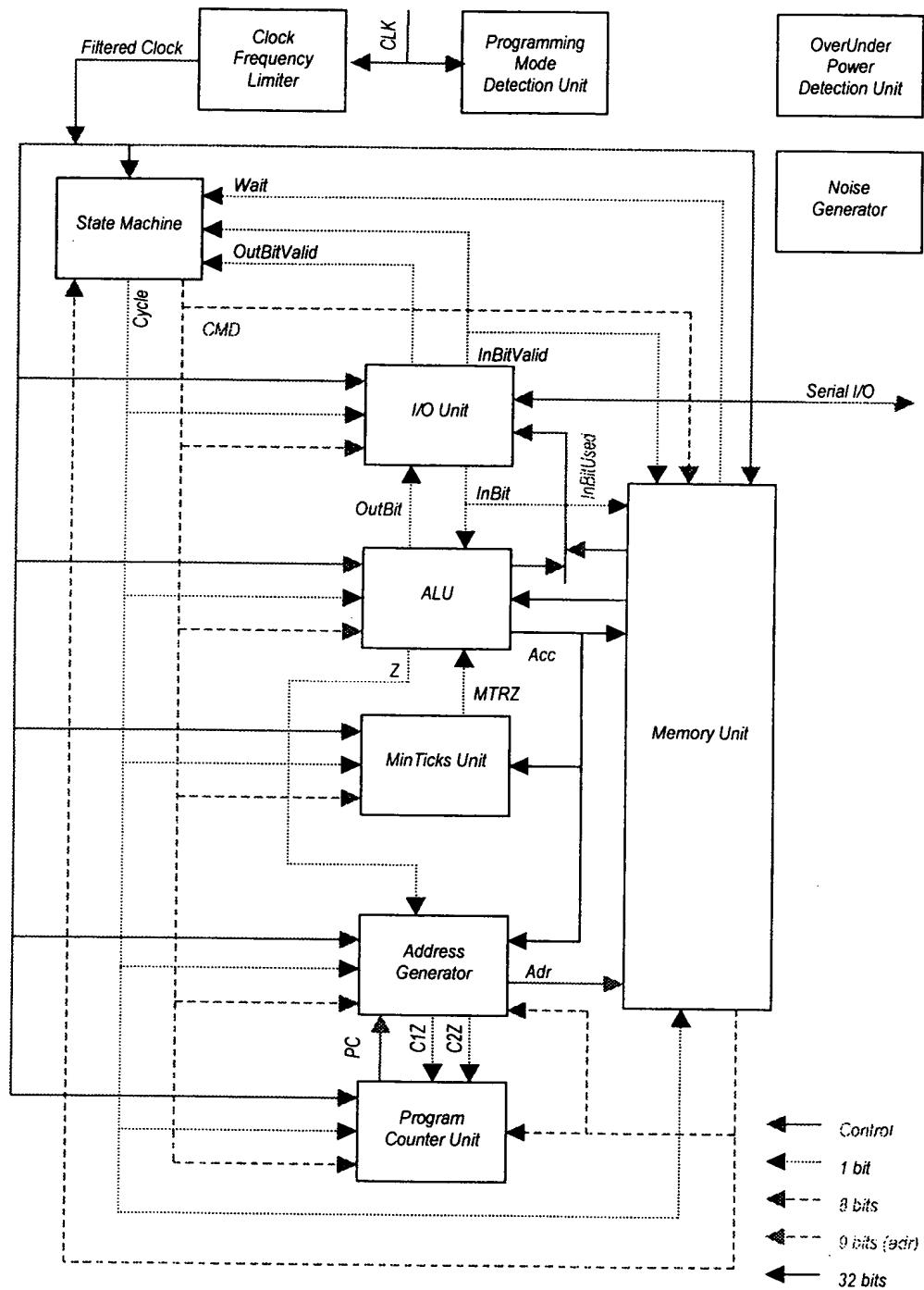


FIG. 181

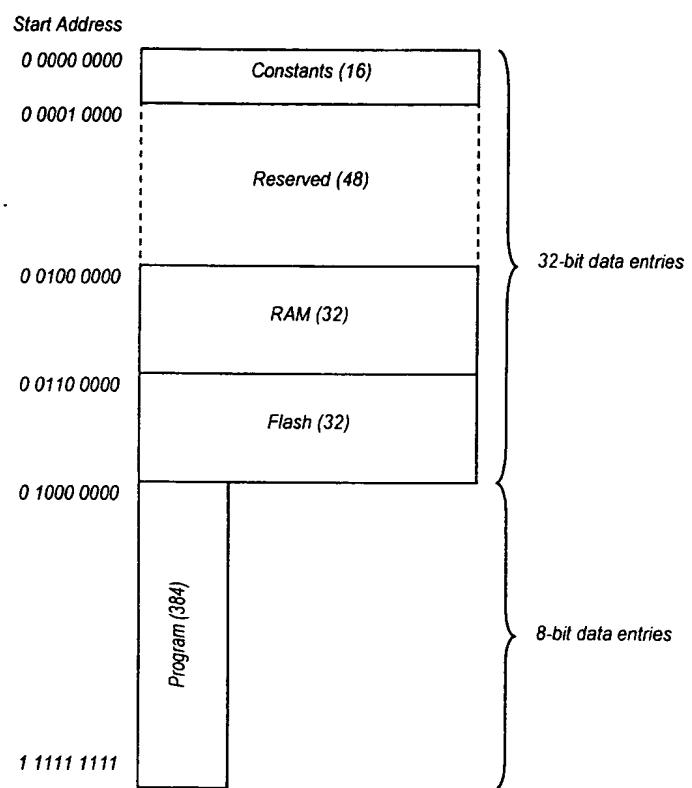


FIG. 182

Start Address	
0 0000 0000	0x00000000
	0x36363636
	0x5C5C5C5C
	0xFFFFFFF
0 0000 0100	0x5A827999 (y_0)
	0x6ED9EBA1 (y_1)
	0x8F1BBCDC (y_2)
	0xCA62C1D6 (y_3)
0 0000 1000	0x67452301 (h_0)
	0xEFCDAB89 (h_1)
	0x98BADCFE (h_2)
	0x10325476 (h_3)
	0xC3D2E1F0 (h_4)
Reserved (3)	
0 0000 1111	

} Unused and unreferenced
 } 5 x 32-bit h constants
as used by SHA-1.
 } 4 x 32-bit y constants
as used by SHA-1.
 } 4 x 32-bit constants

FIG. 183

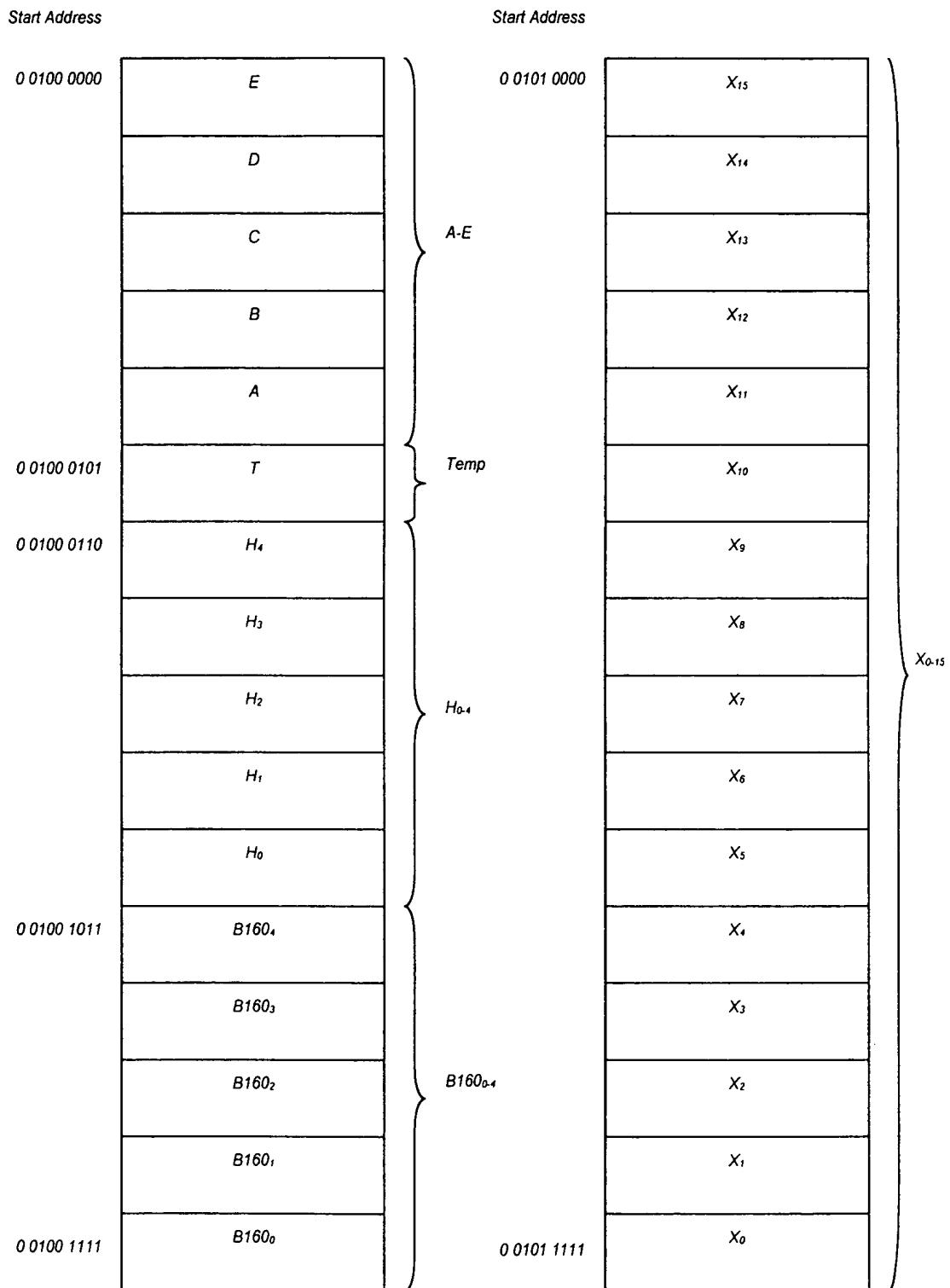


FIG. 184

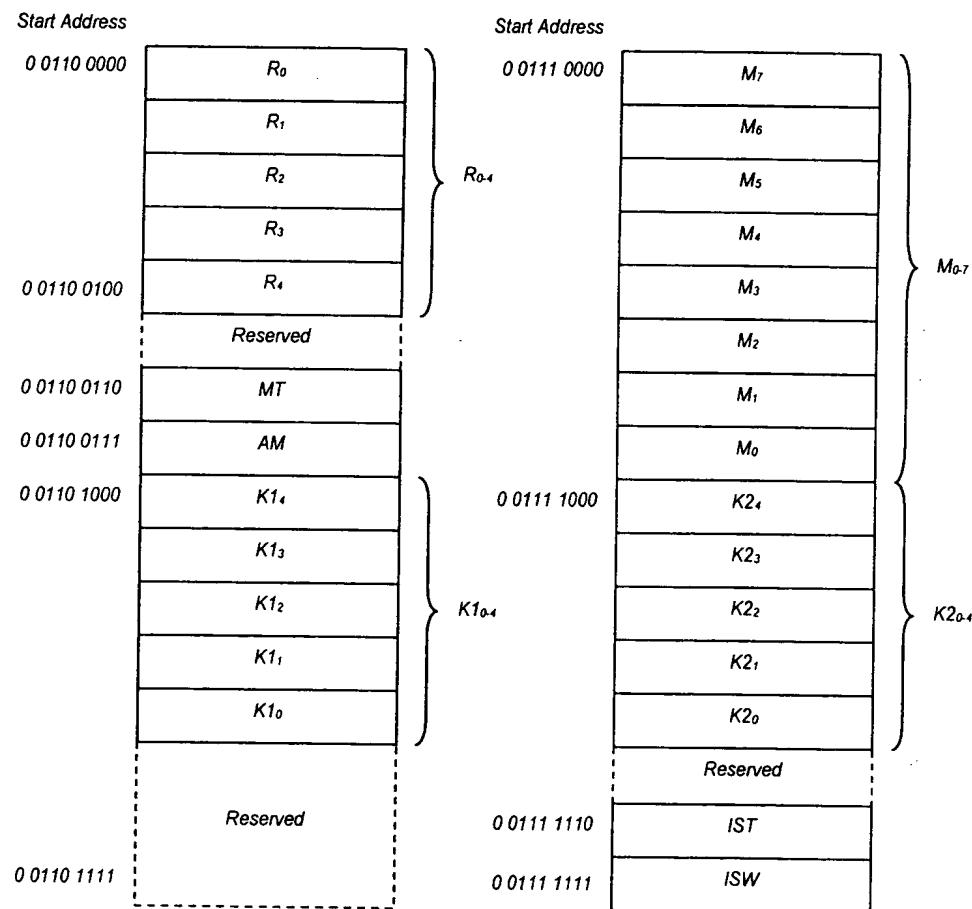


FIG. 185

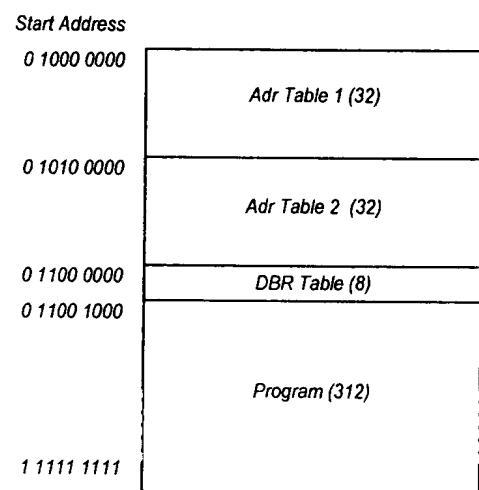


FIG. 186

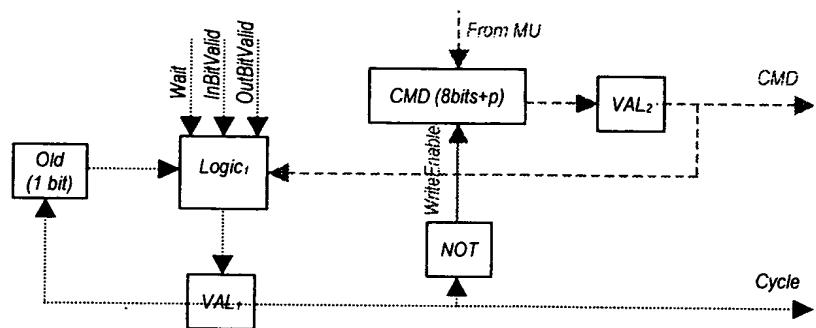


FIG. 187

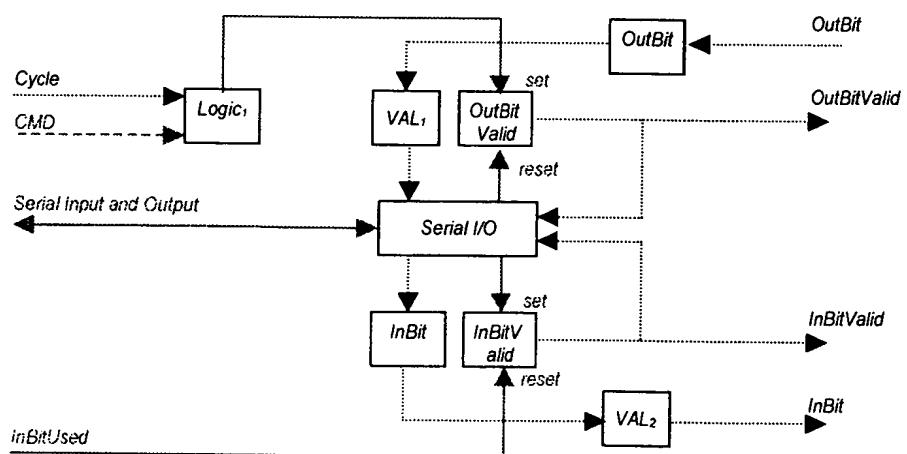


FIG. 188

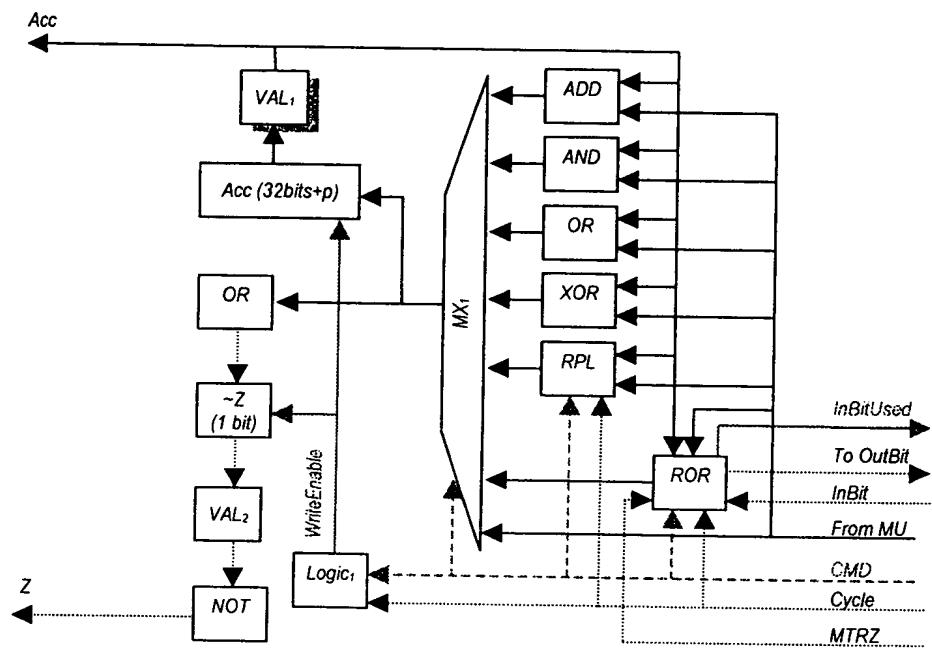


FIG. 189

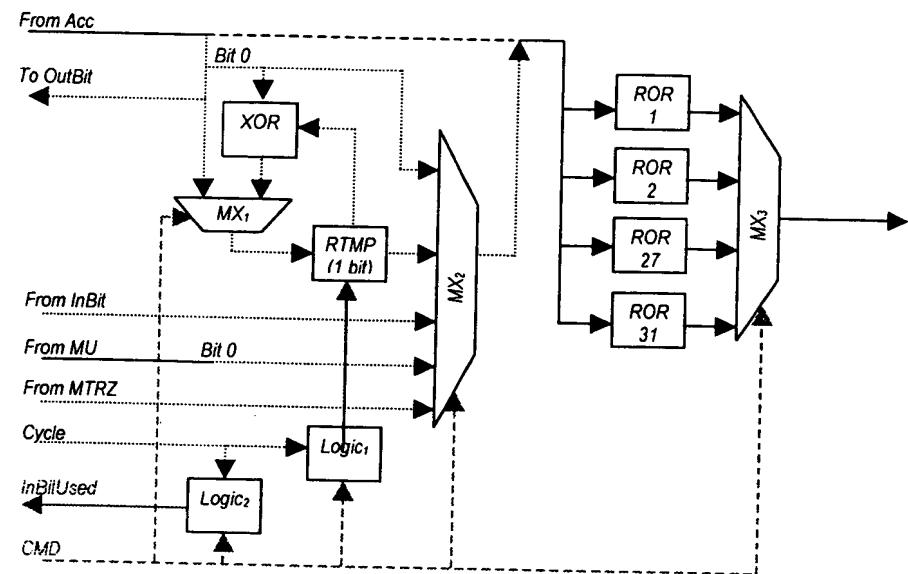


FIG. 190

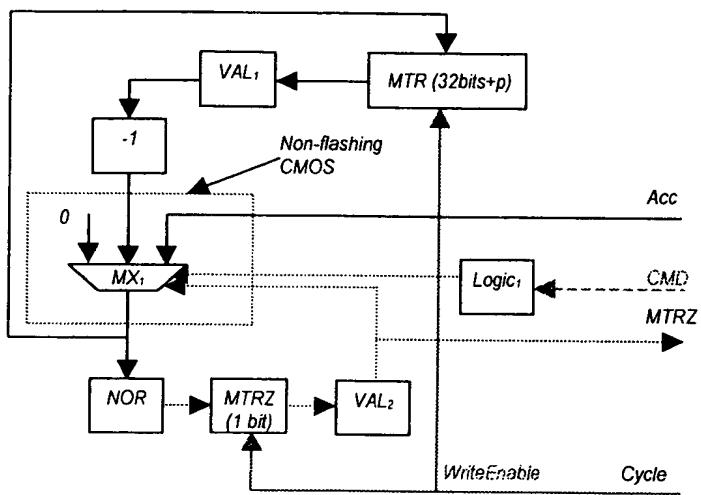


FIG. 191

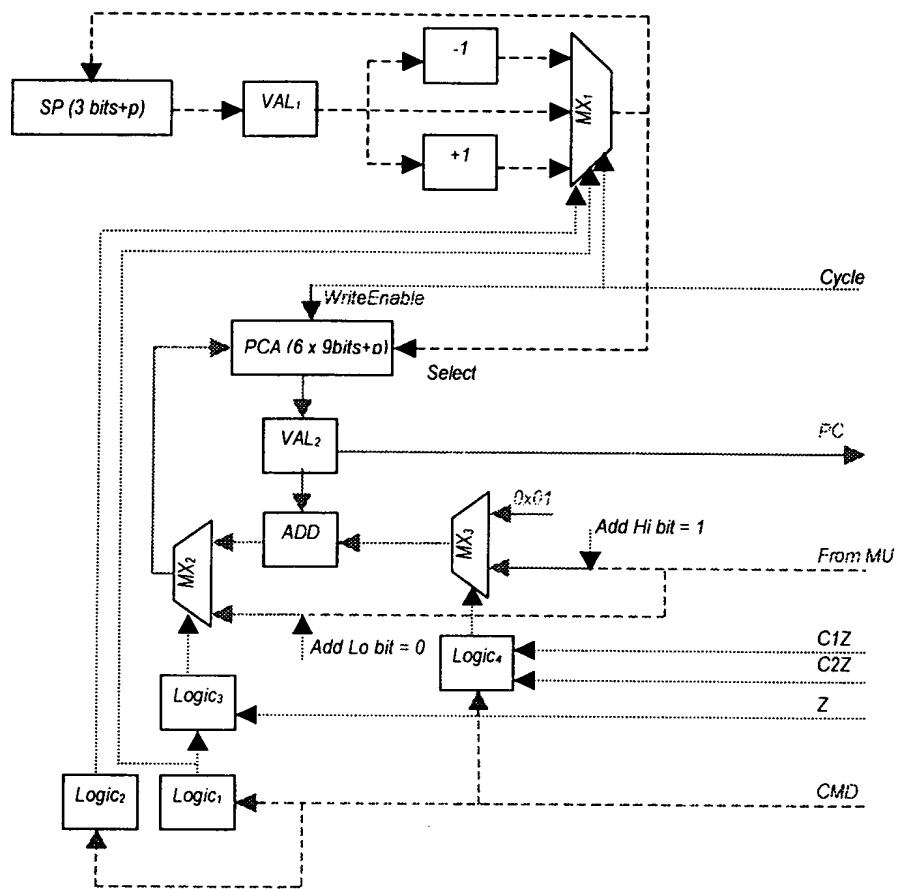


FIG. 192

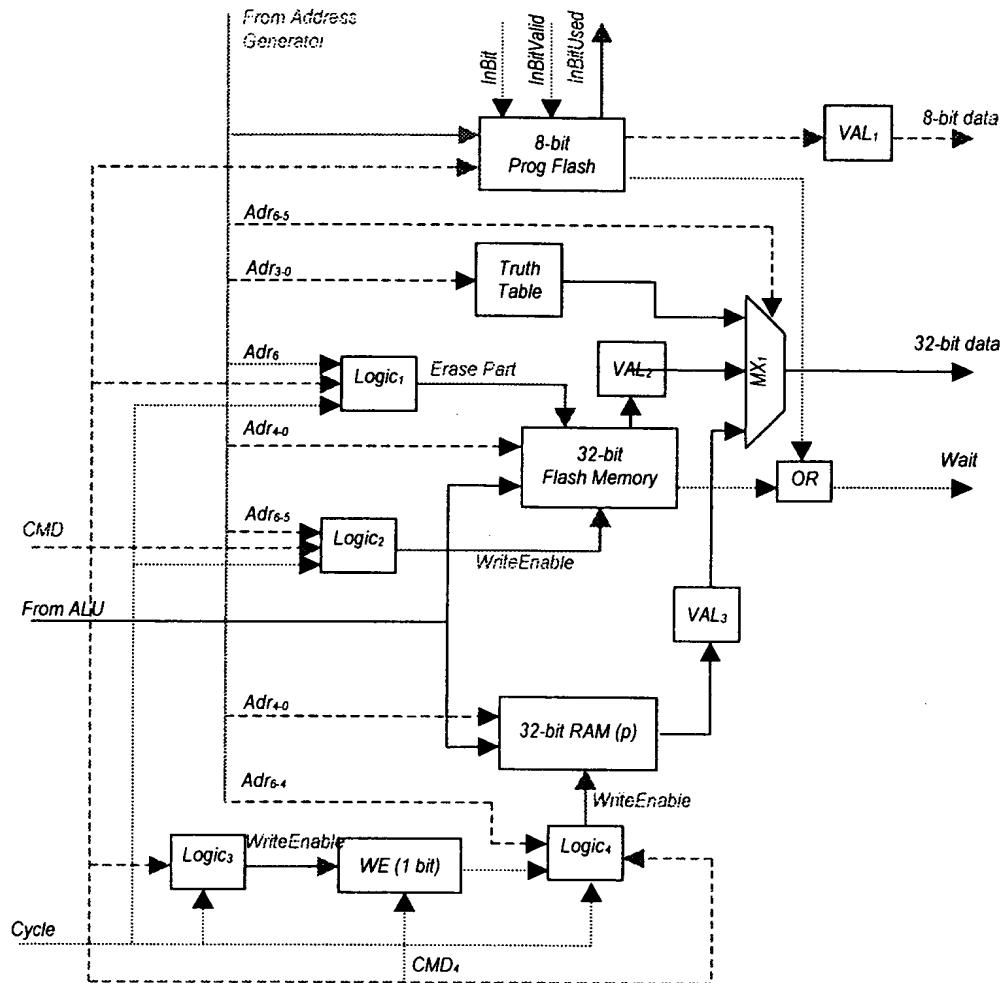


FIG. 193

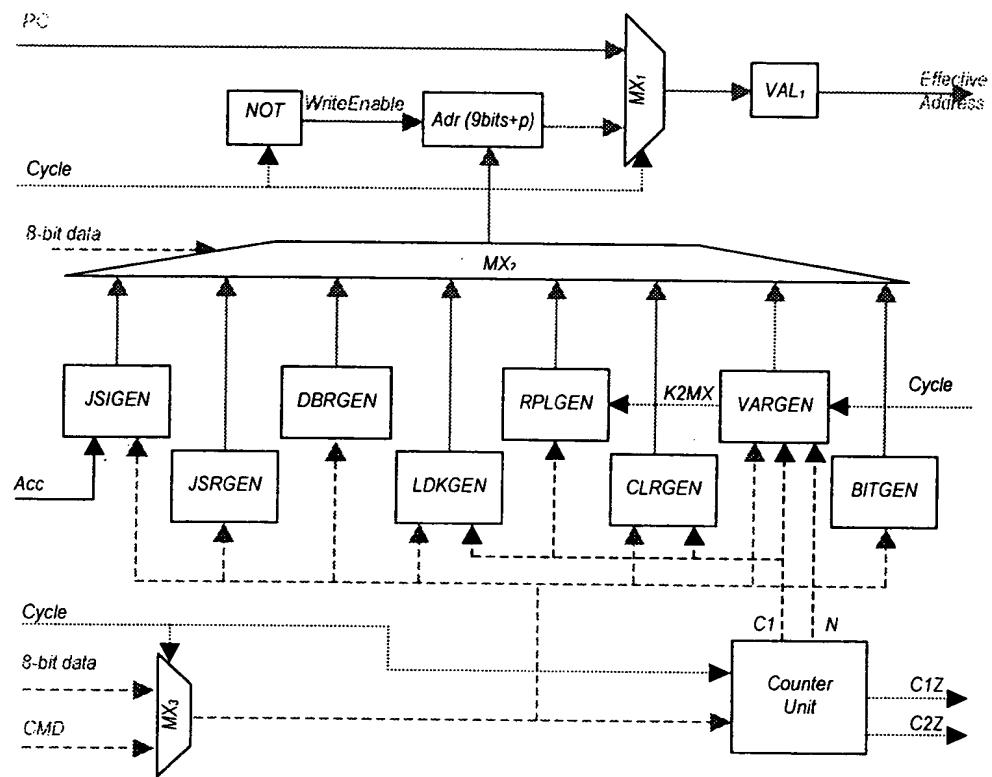


FIG. 194

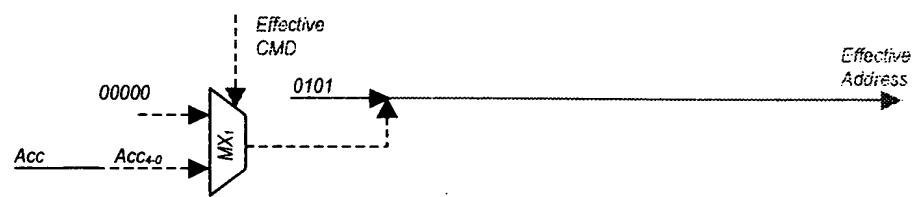


FIG. 195

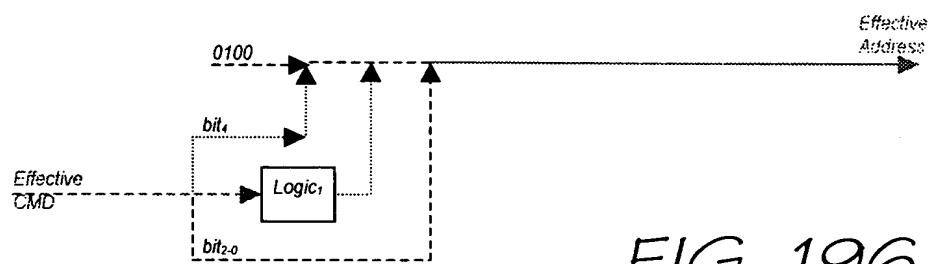


FIG. 196

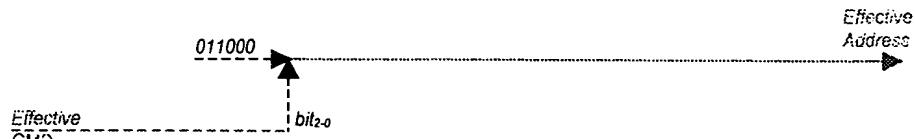


FIG. 197

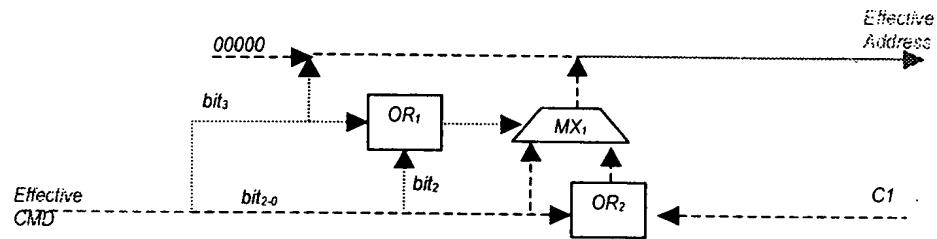


FIG. 198

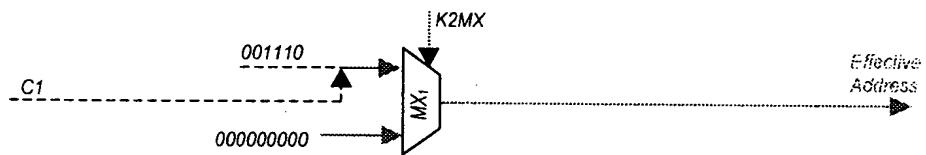


FIG. 199

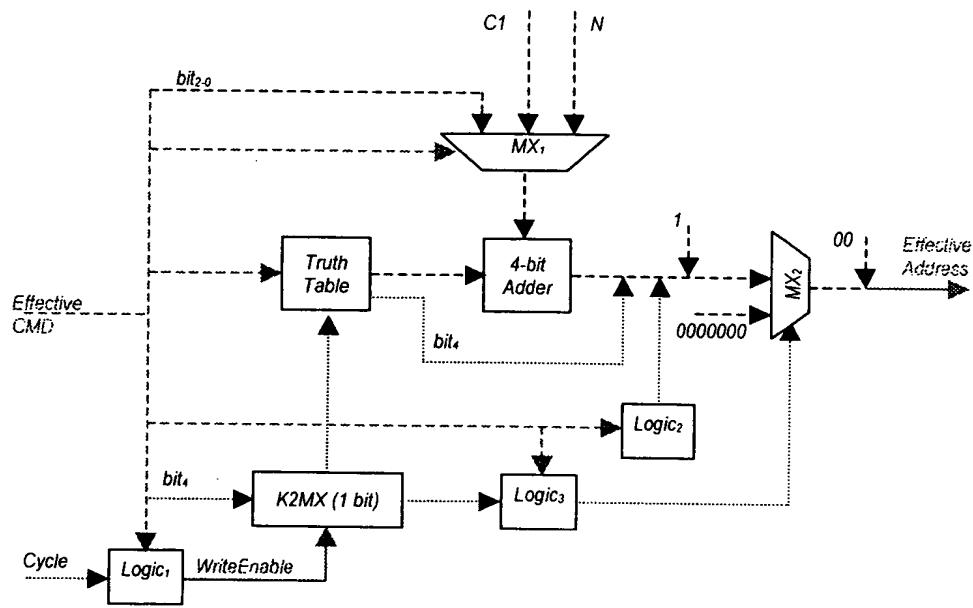


FIG. 200

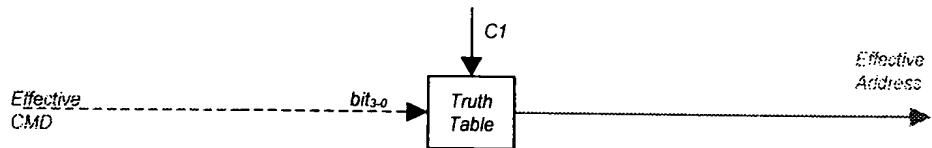


FIG. 201

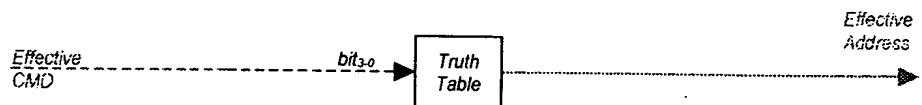


FIG. 202

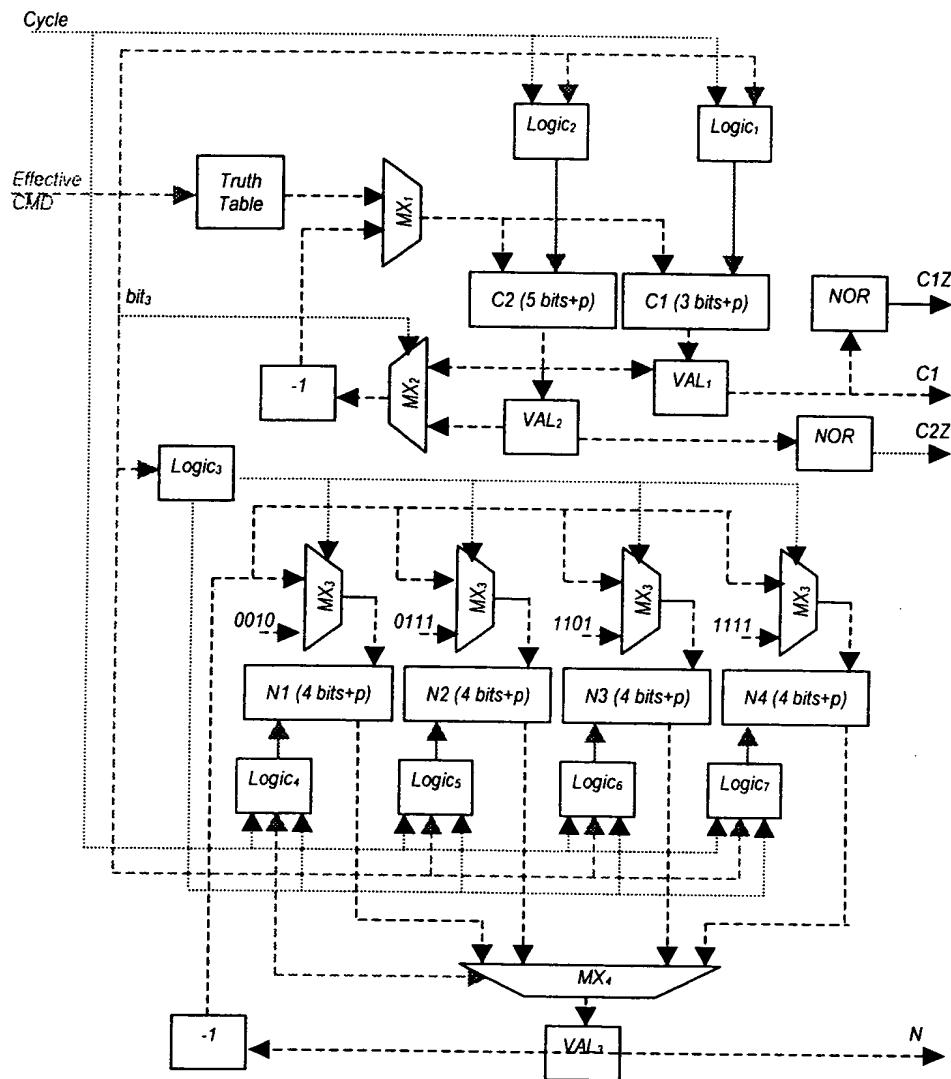


FIG. 203

705

Data Type	Bits
Factory code	16
Batch number	32
Serial number	48
Manufacturing date	16
Media length	24
Media type	8
Preprinted media length	16
Cyan ink viscosity	8
Magenta ink viscosity	8
Yellow ink viscosity	8
Cyan drop volume	8
Magenta drop volume	8
Yellow drop volume	8
Cyan ink color	24
Magenta ink color	24
Yellow ink color	24
Remaining-media length indicator	16
Authentication key	128
Copyrightable bit pattern	512
Reserved for camera use	88
Total	1024

728

FIG. 204

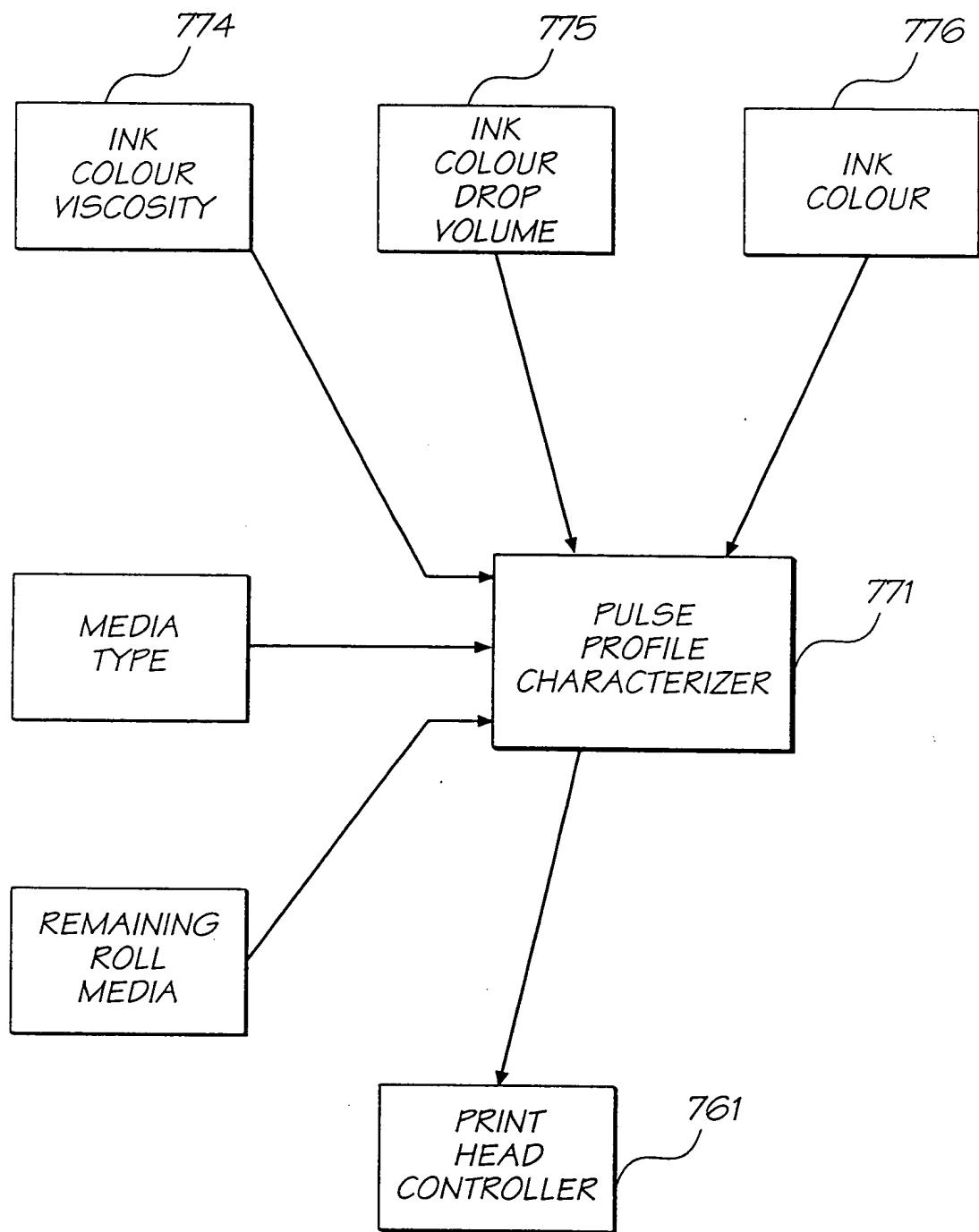


FIG. 205

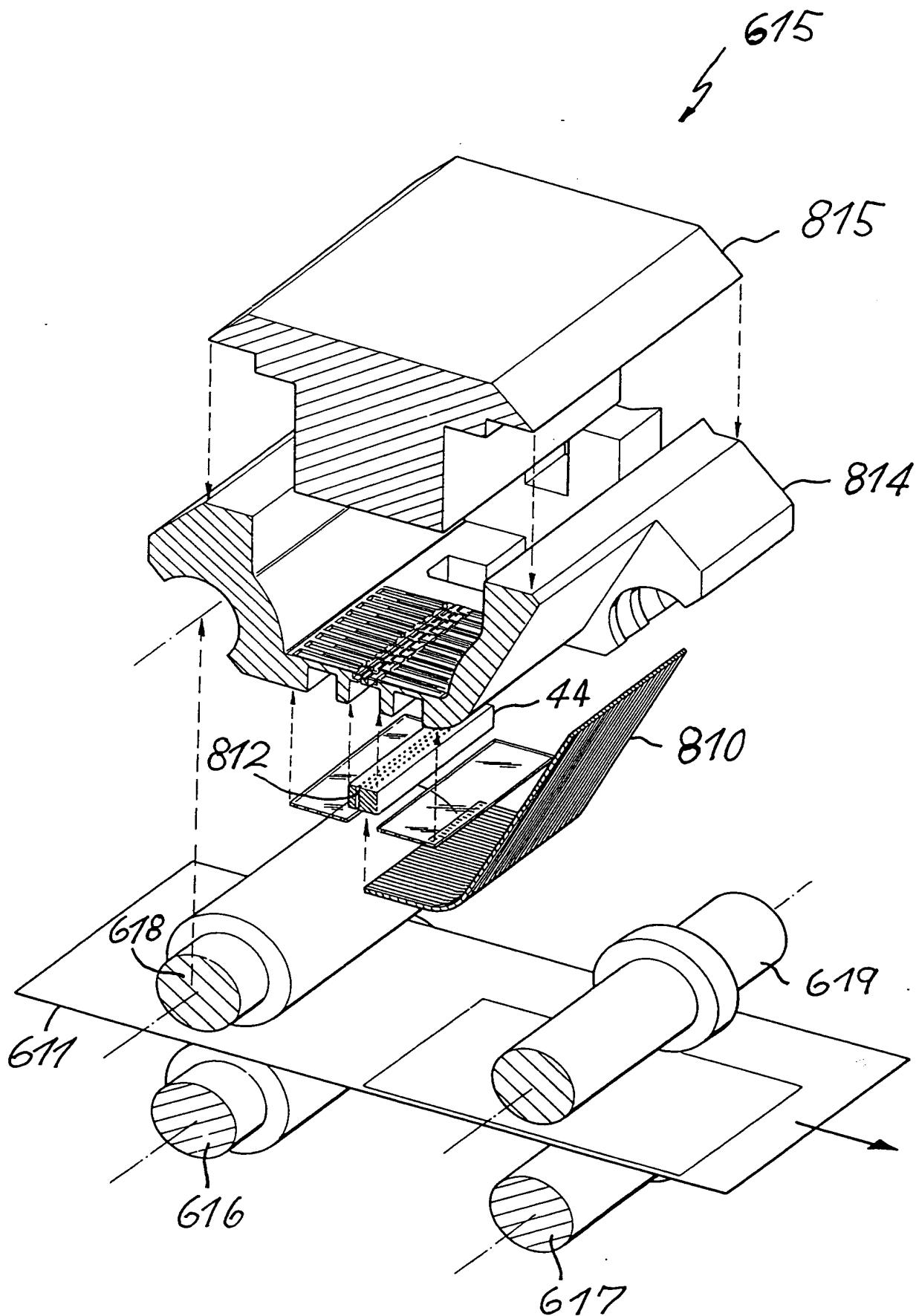


FIG. 206

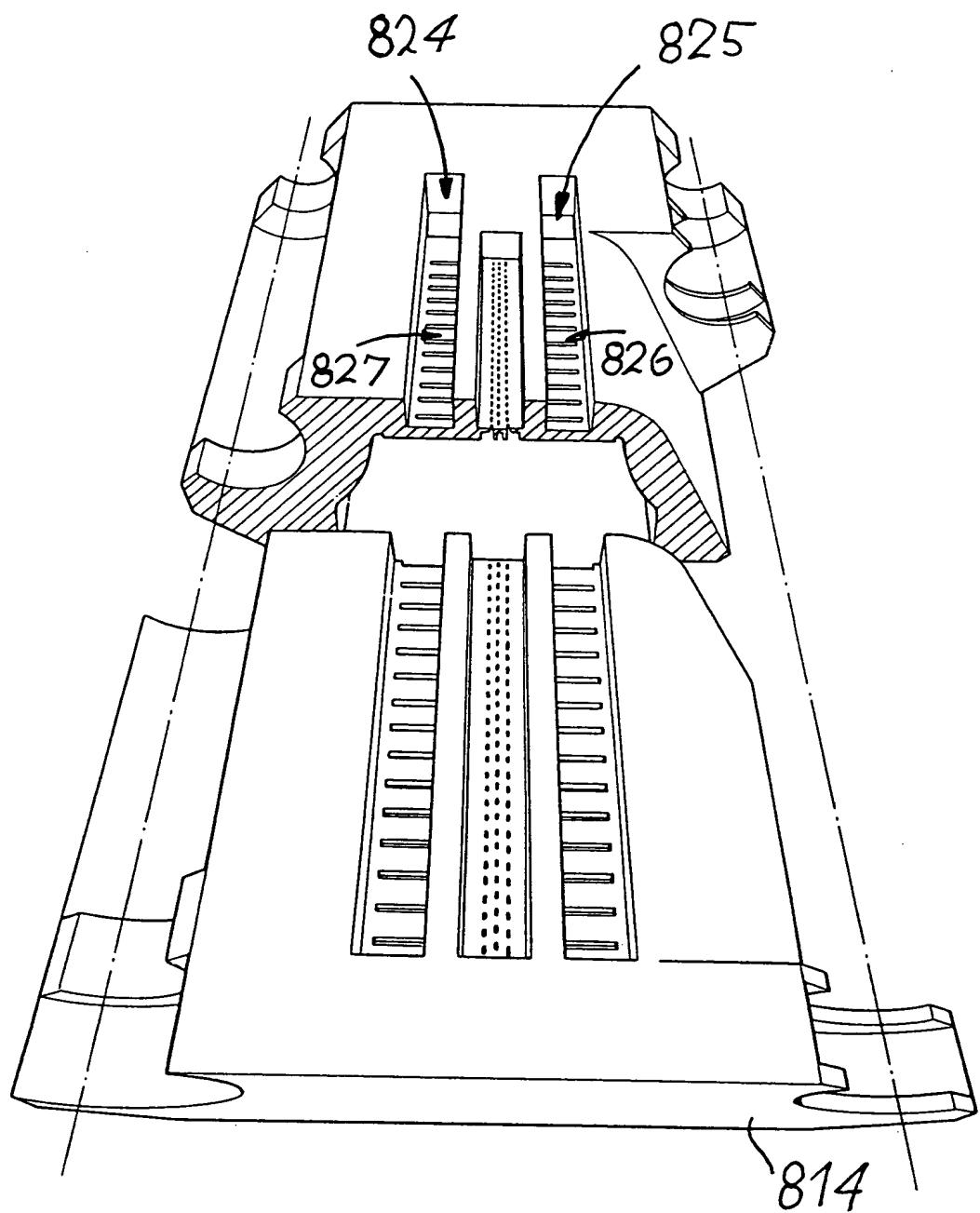
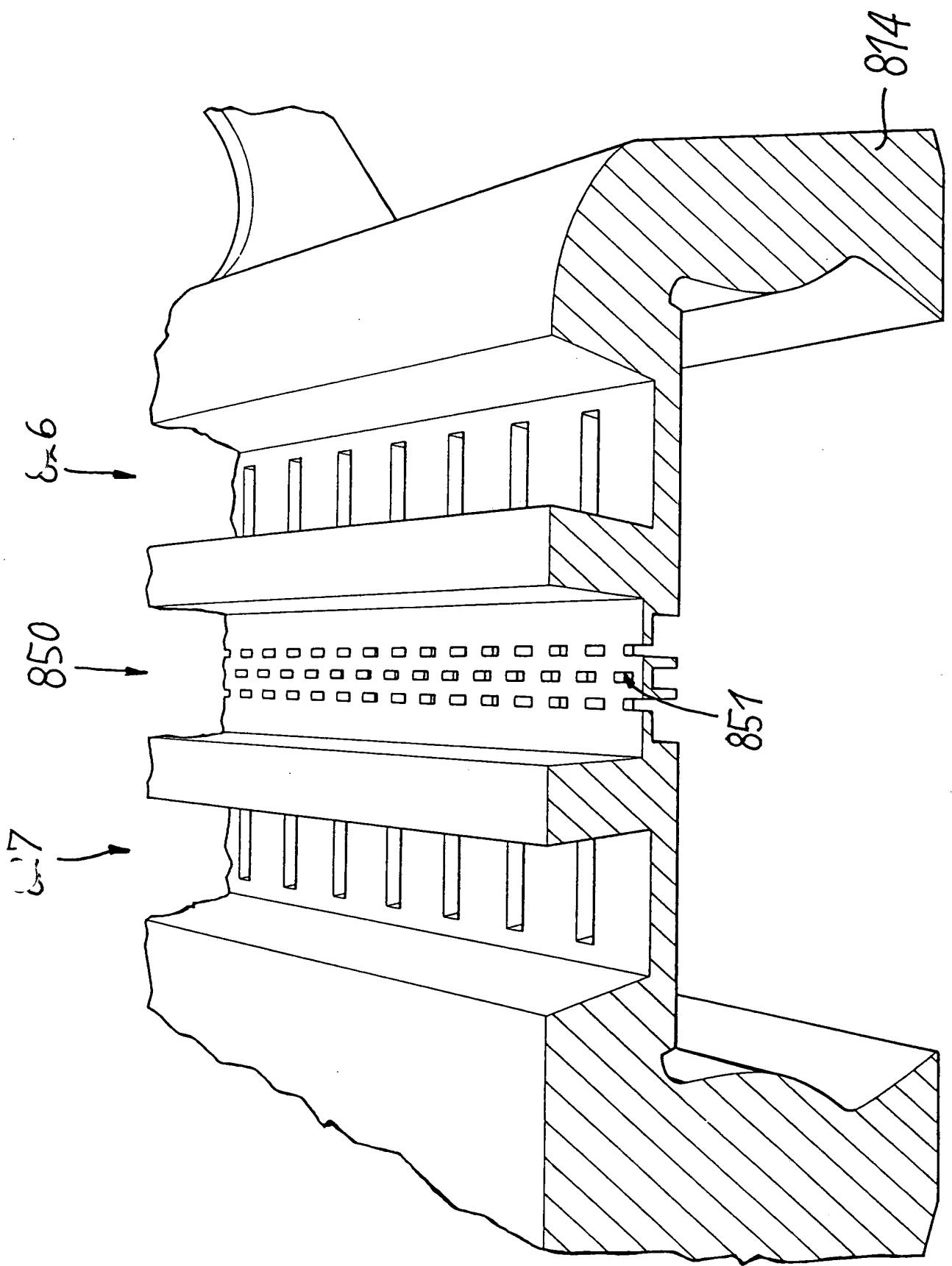


FIG. 207

FIG. 208



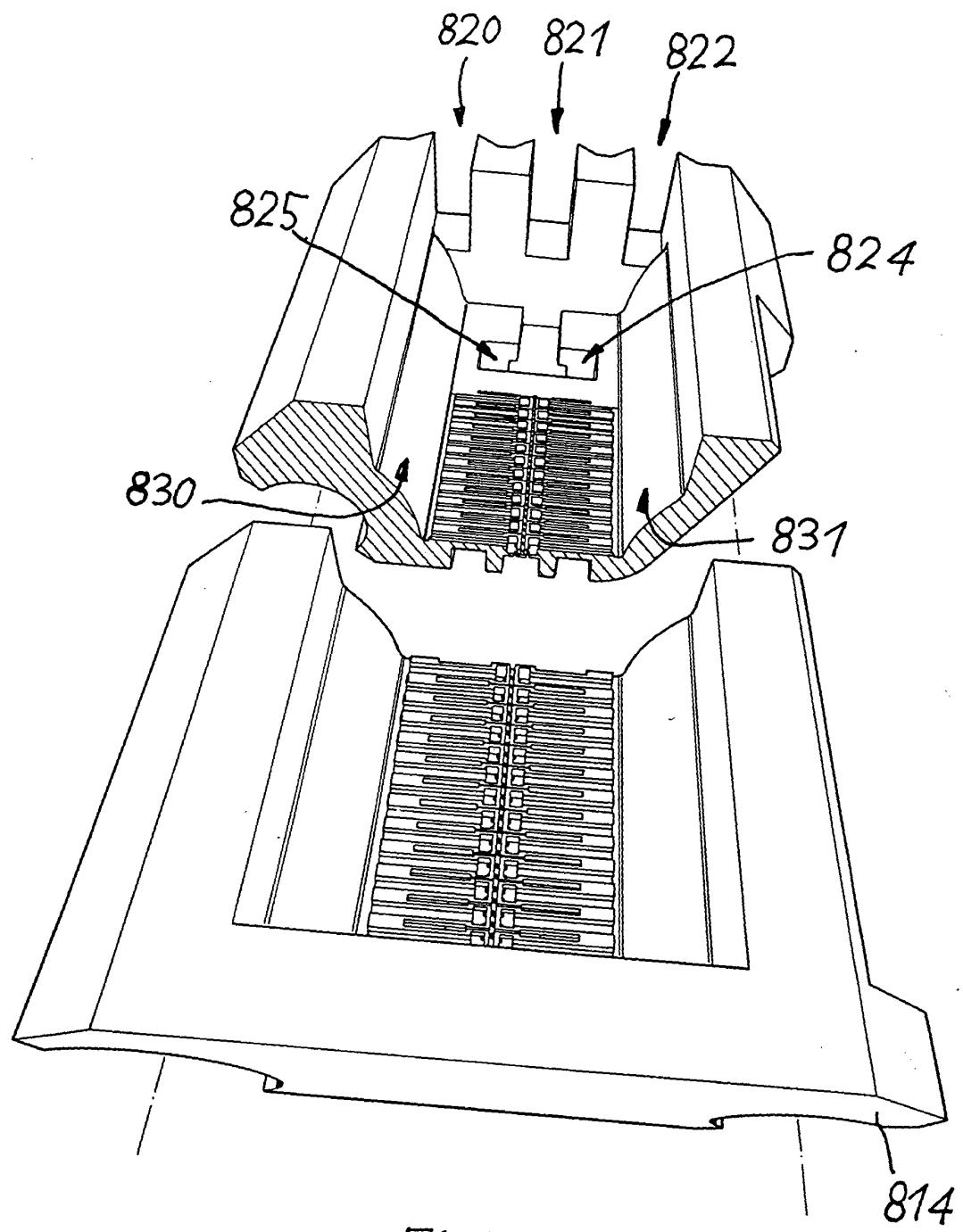


FIG. 209

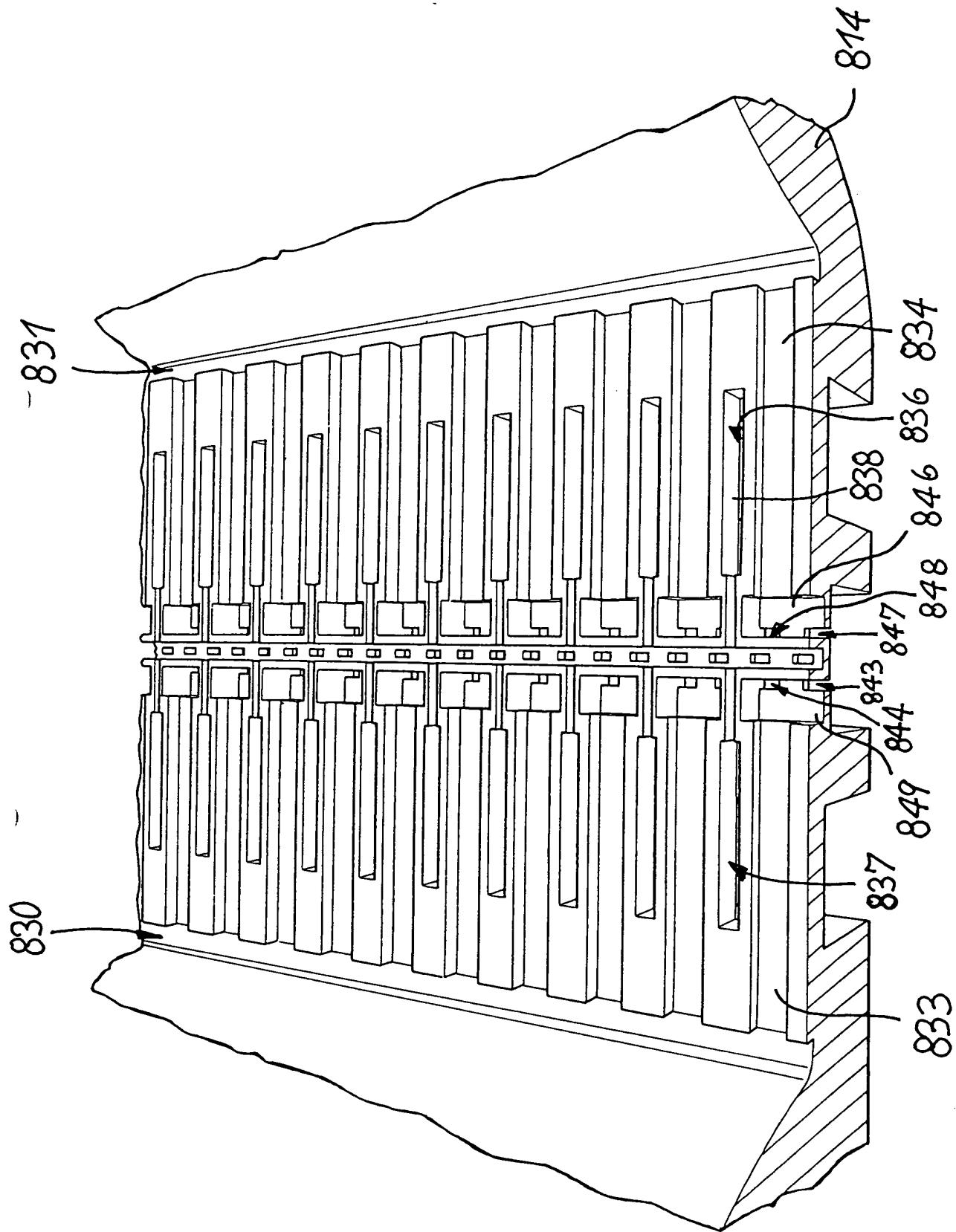


FIG. 210

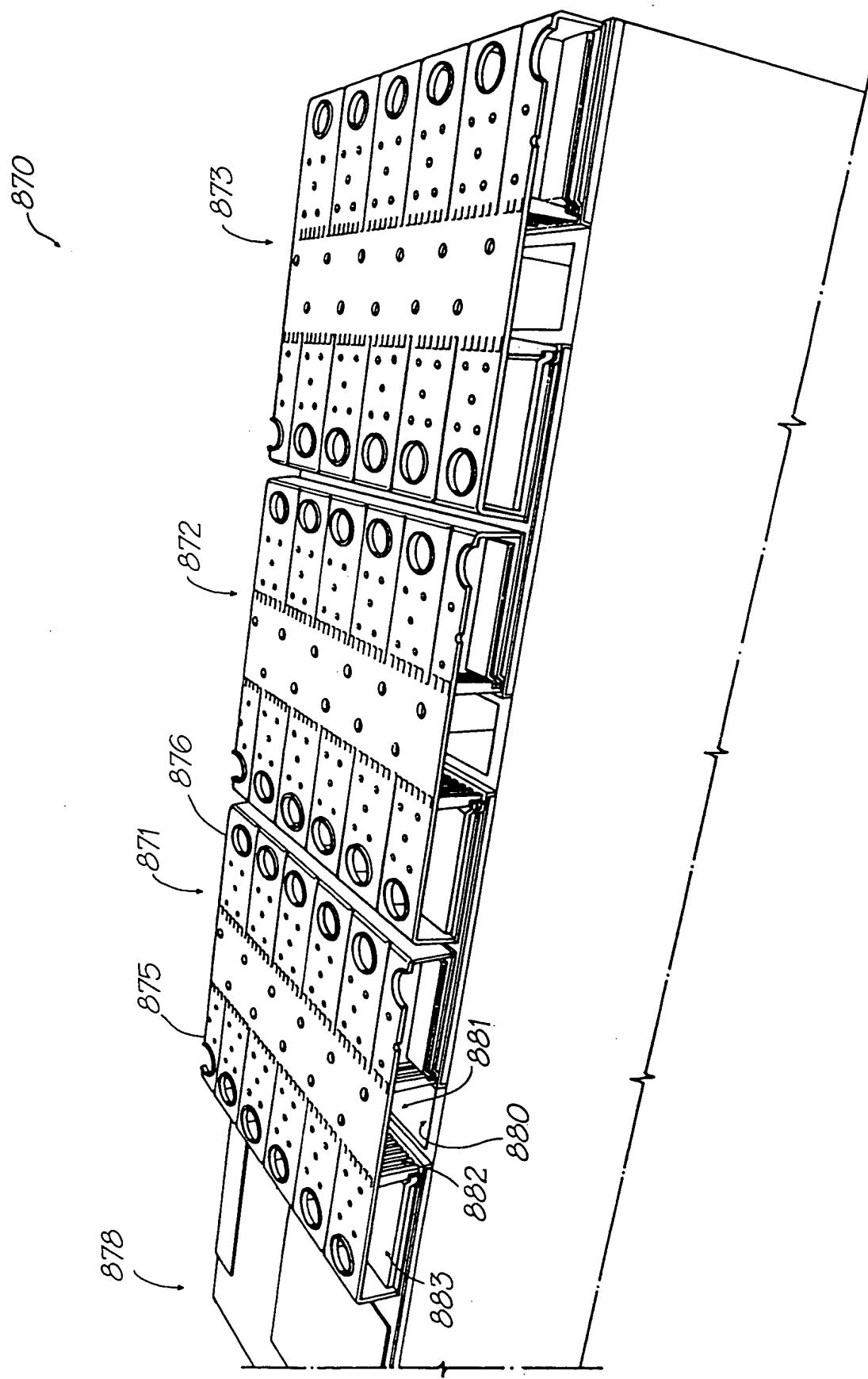
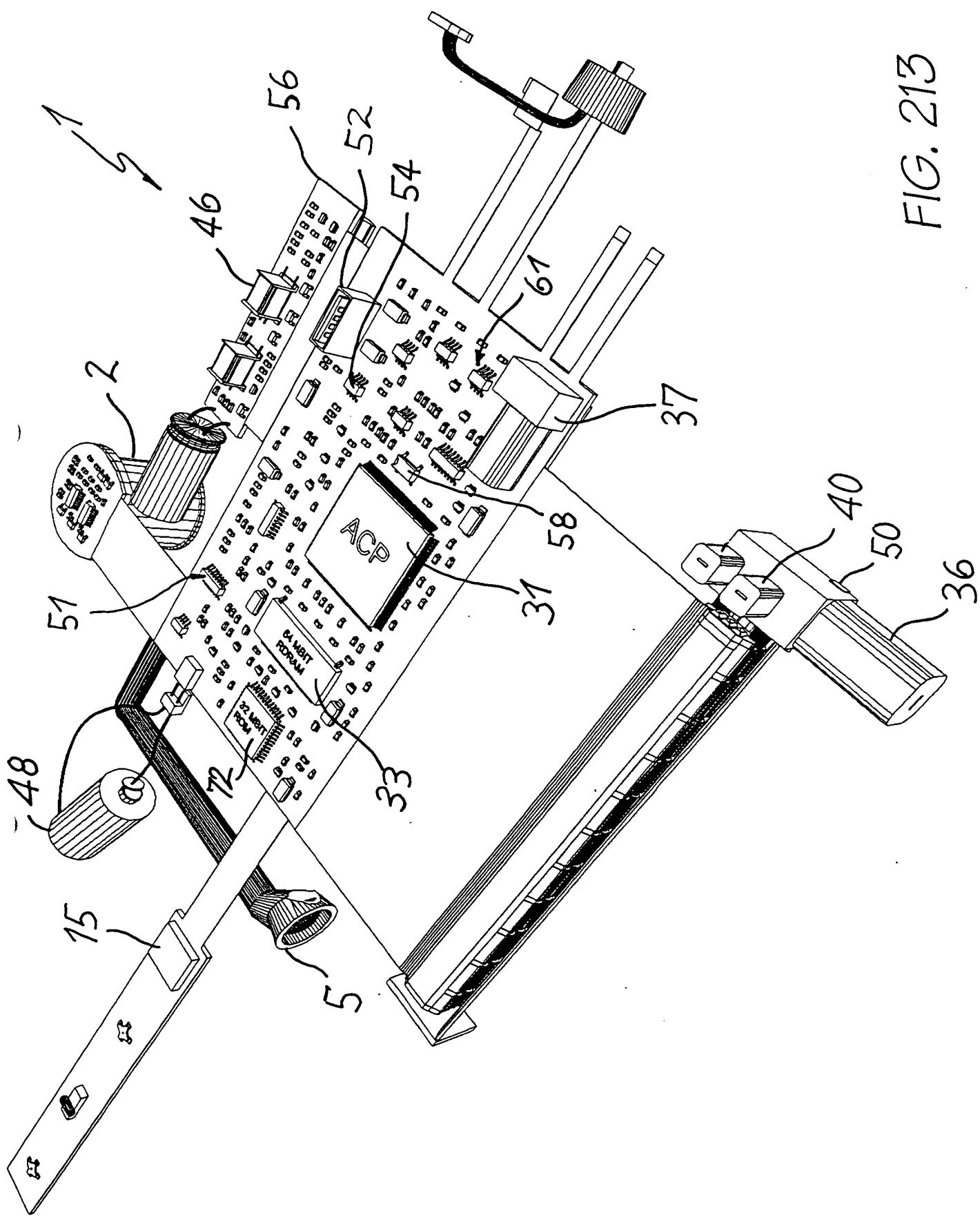


FIG. 211



FIG. 213



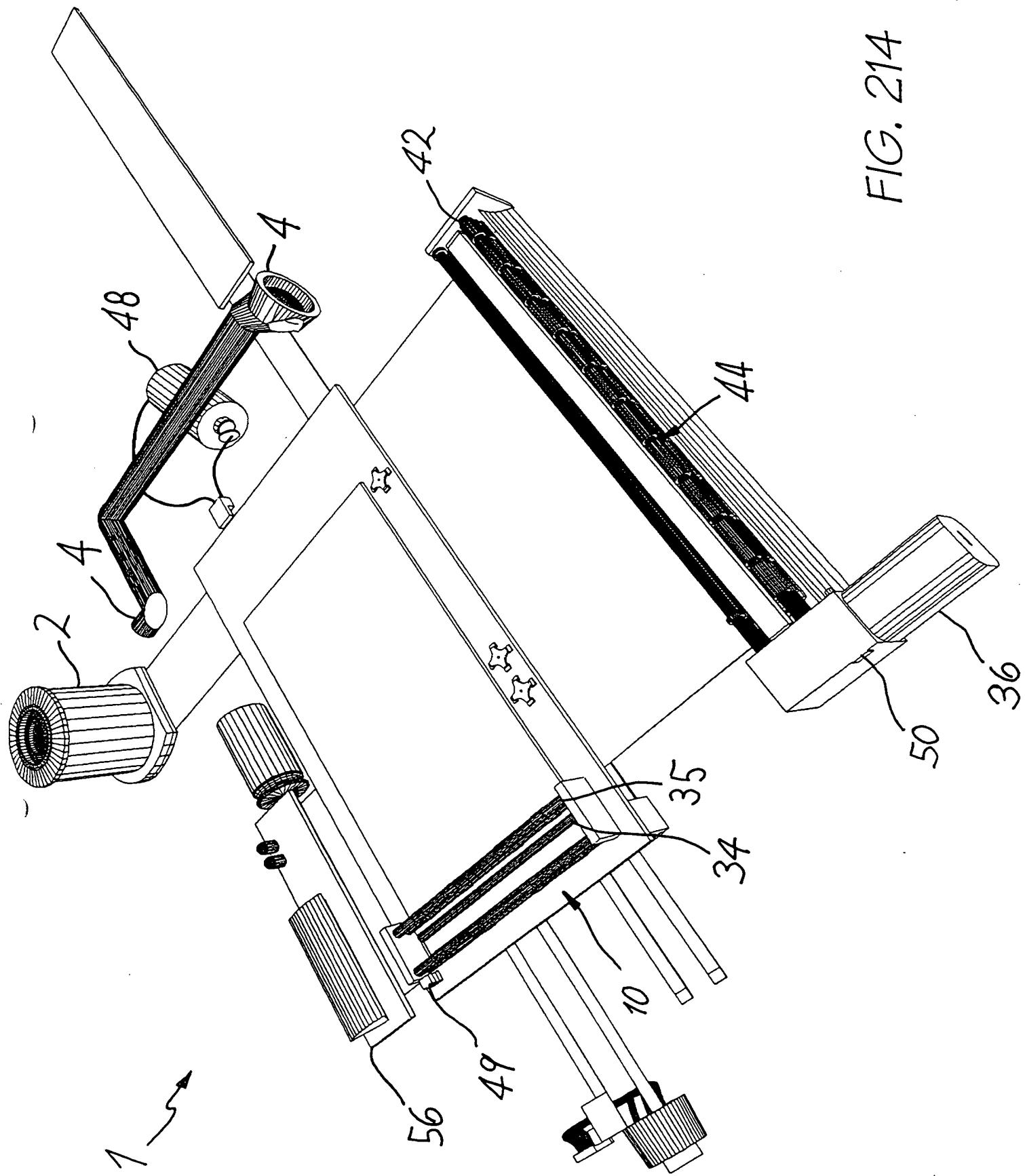
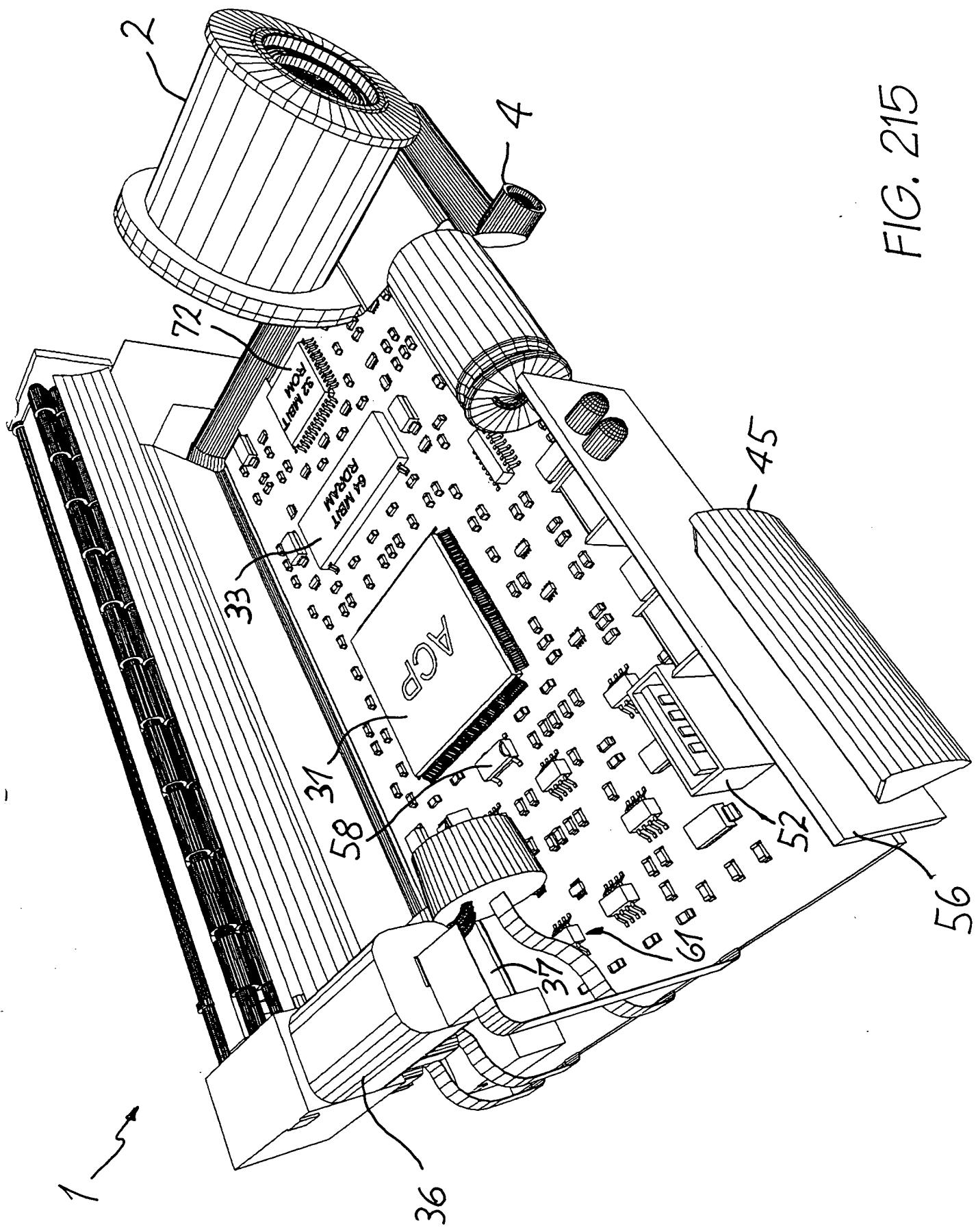


FIG. 214

FIG. 215



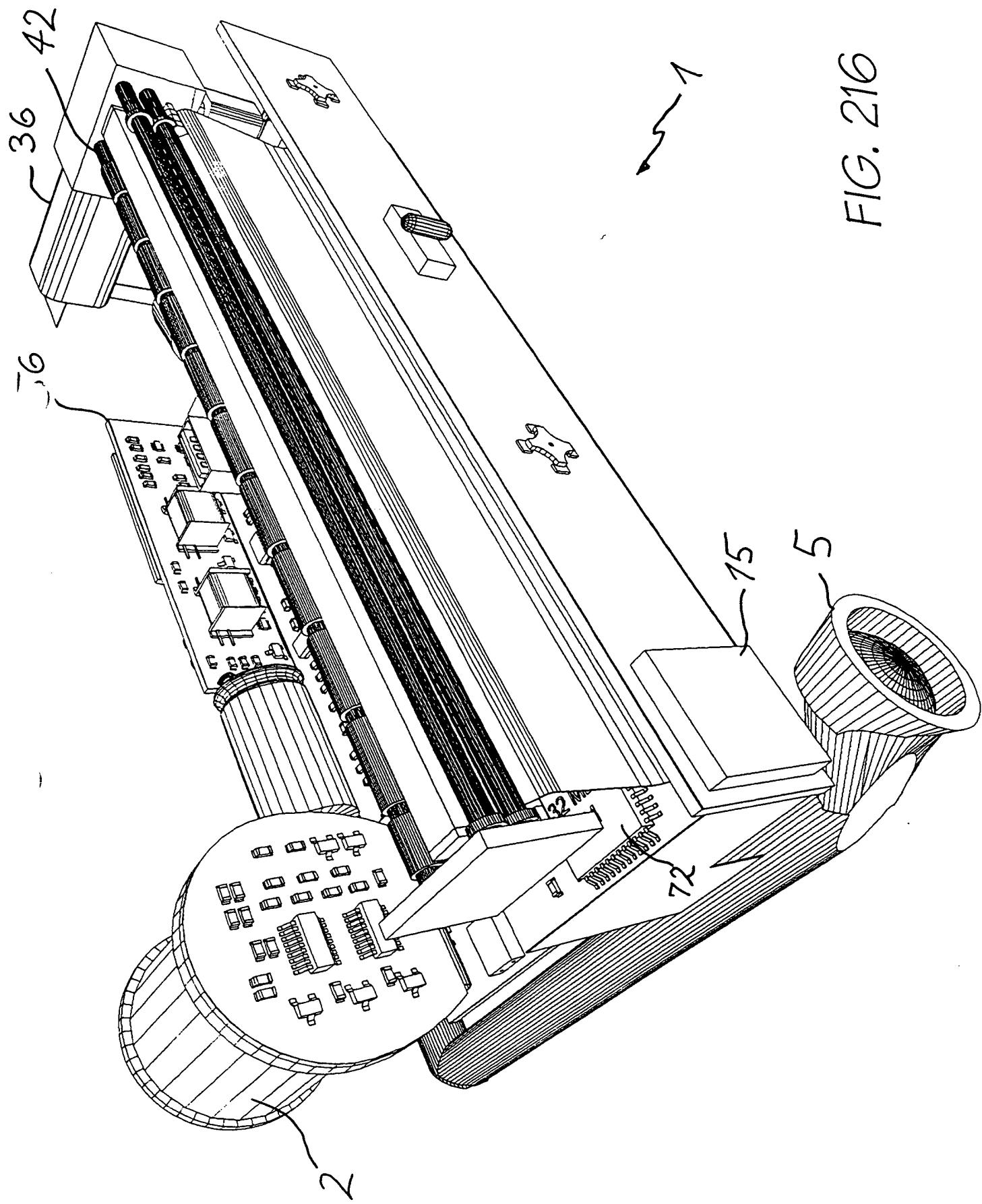


FIG. 216

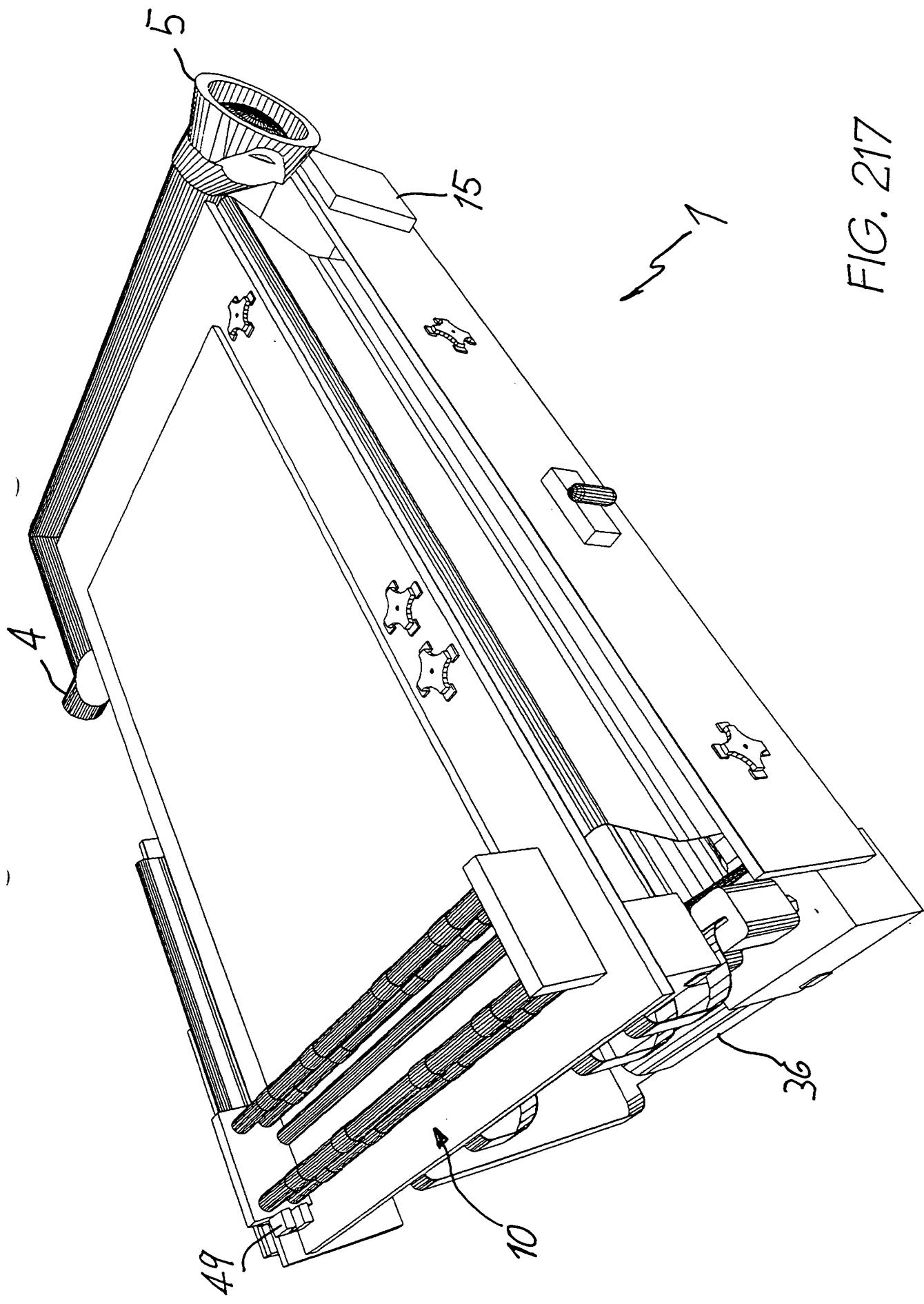


FIG. 217

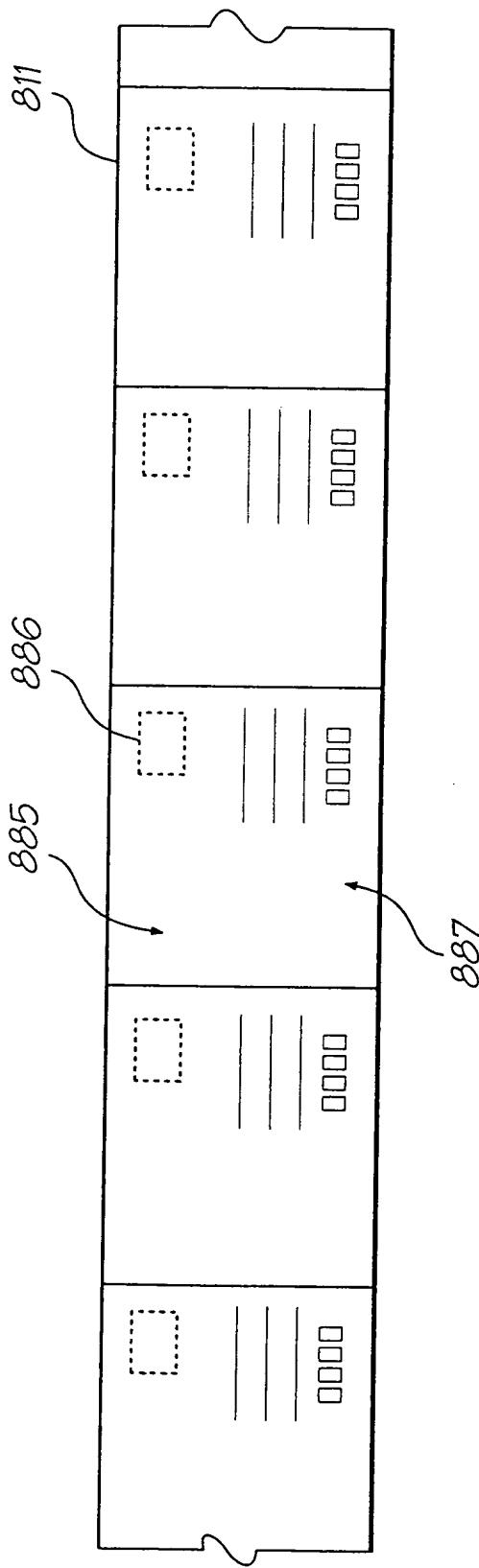


FIG. 218

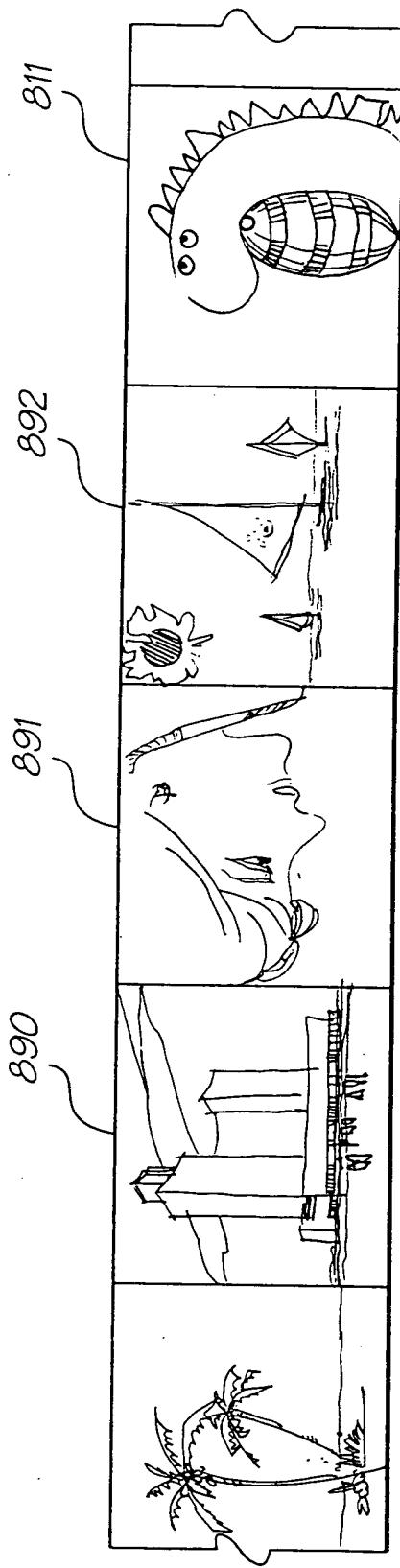
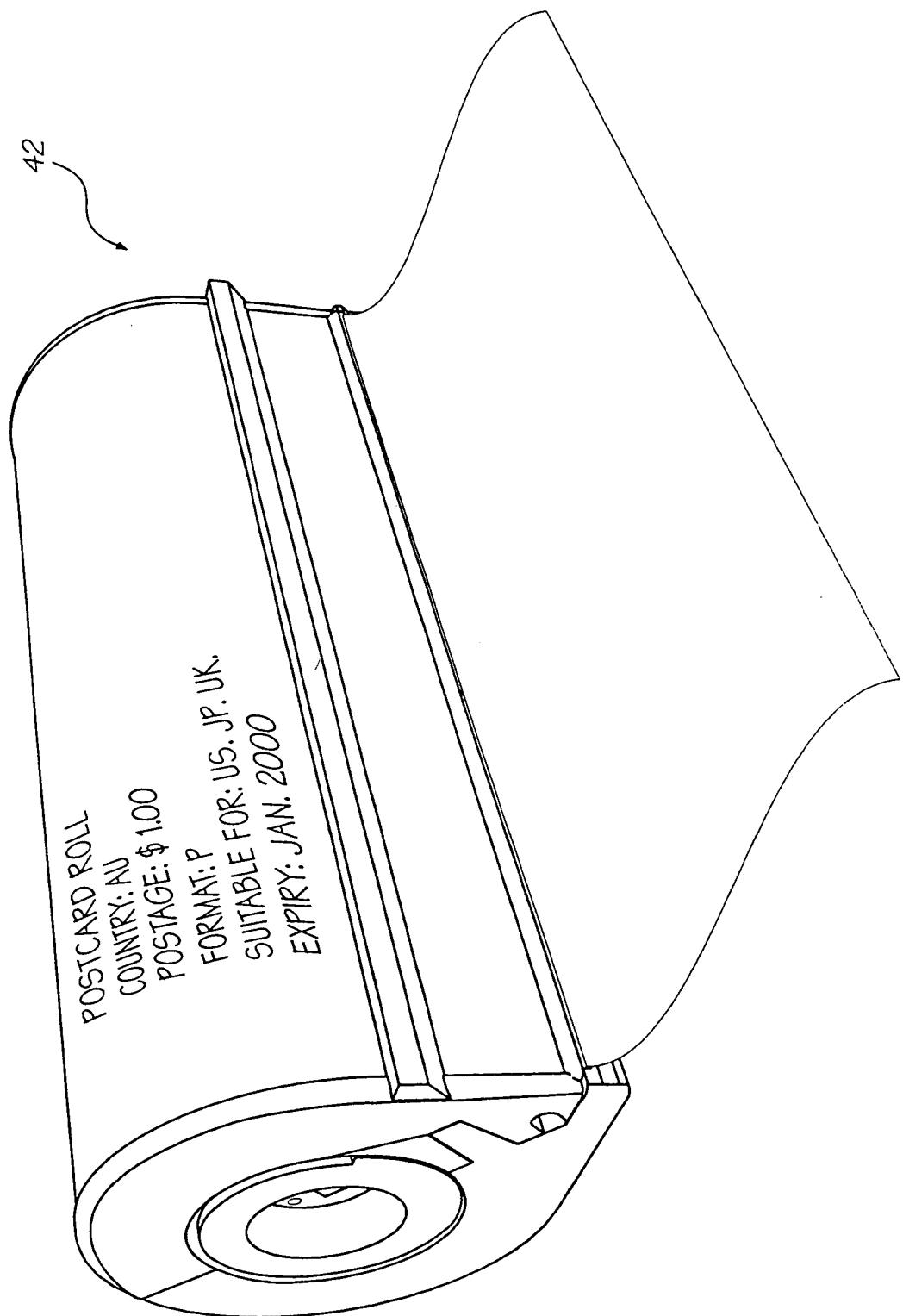


FIG. 219

FIG. 220



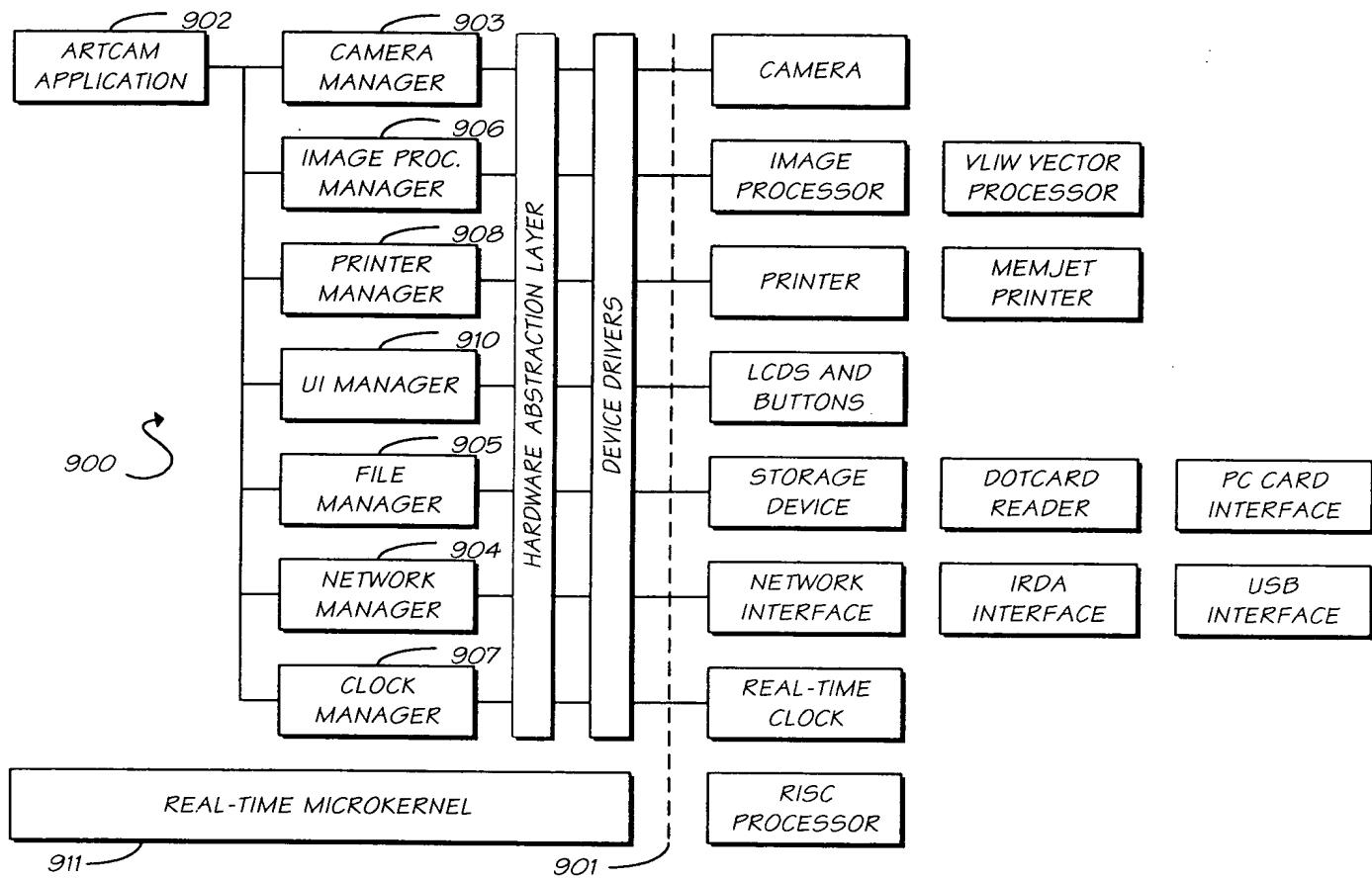


FIG. 221

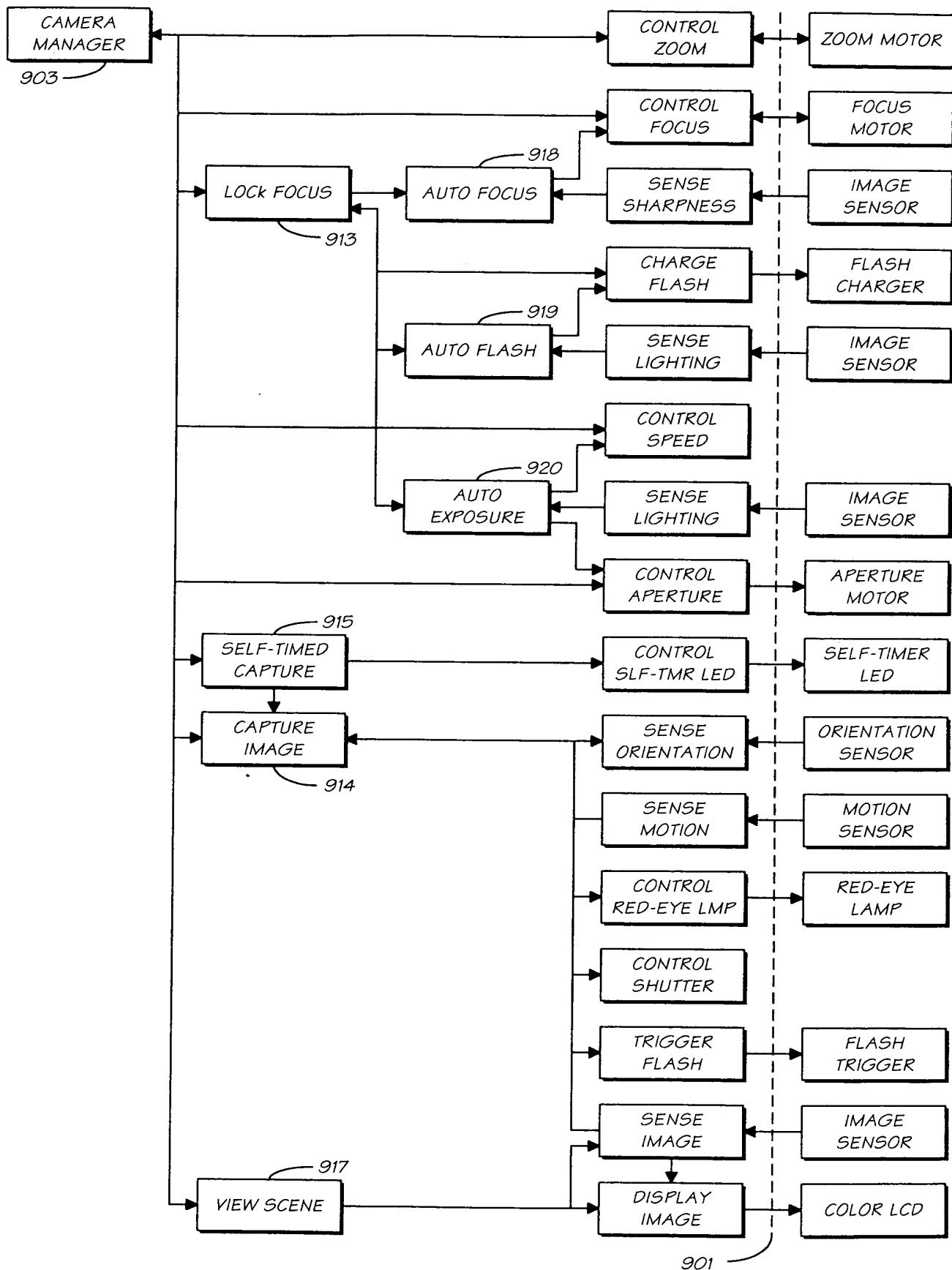


FIG. 222

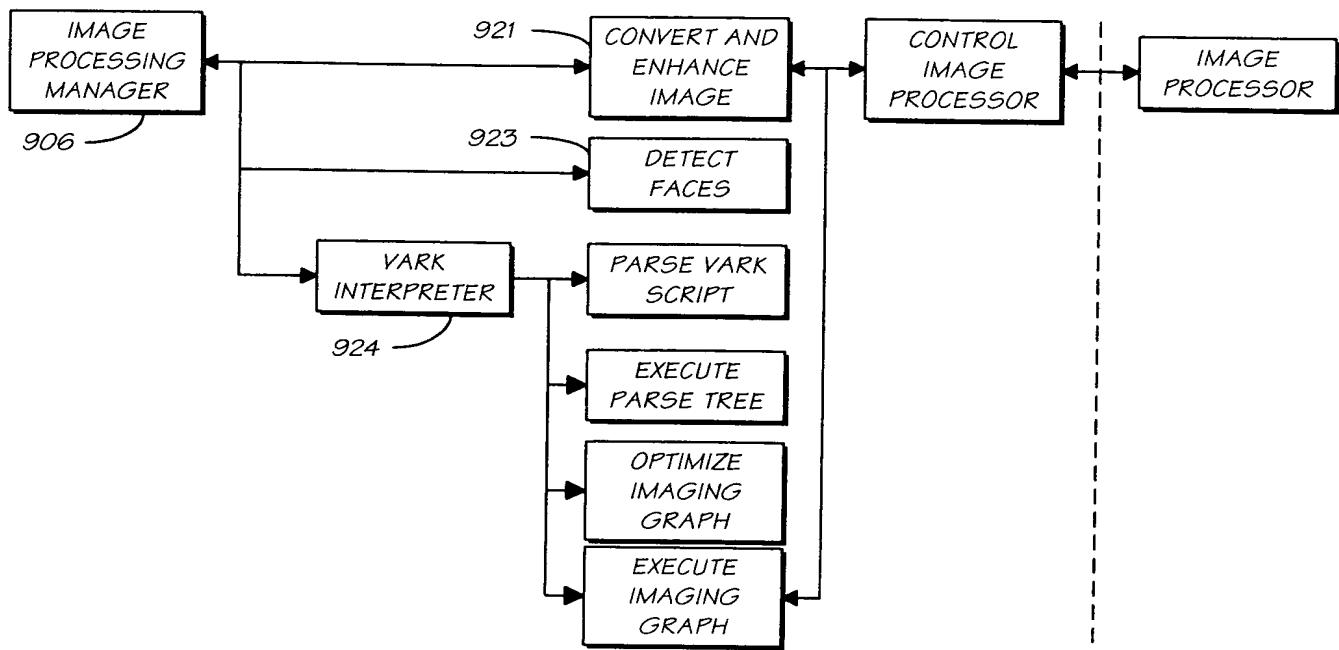


FIG. 223

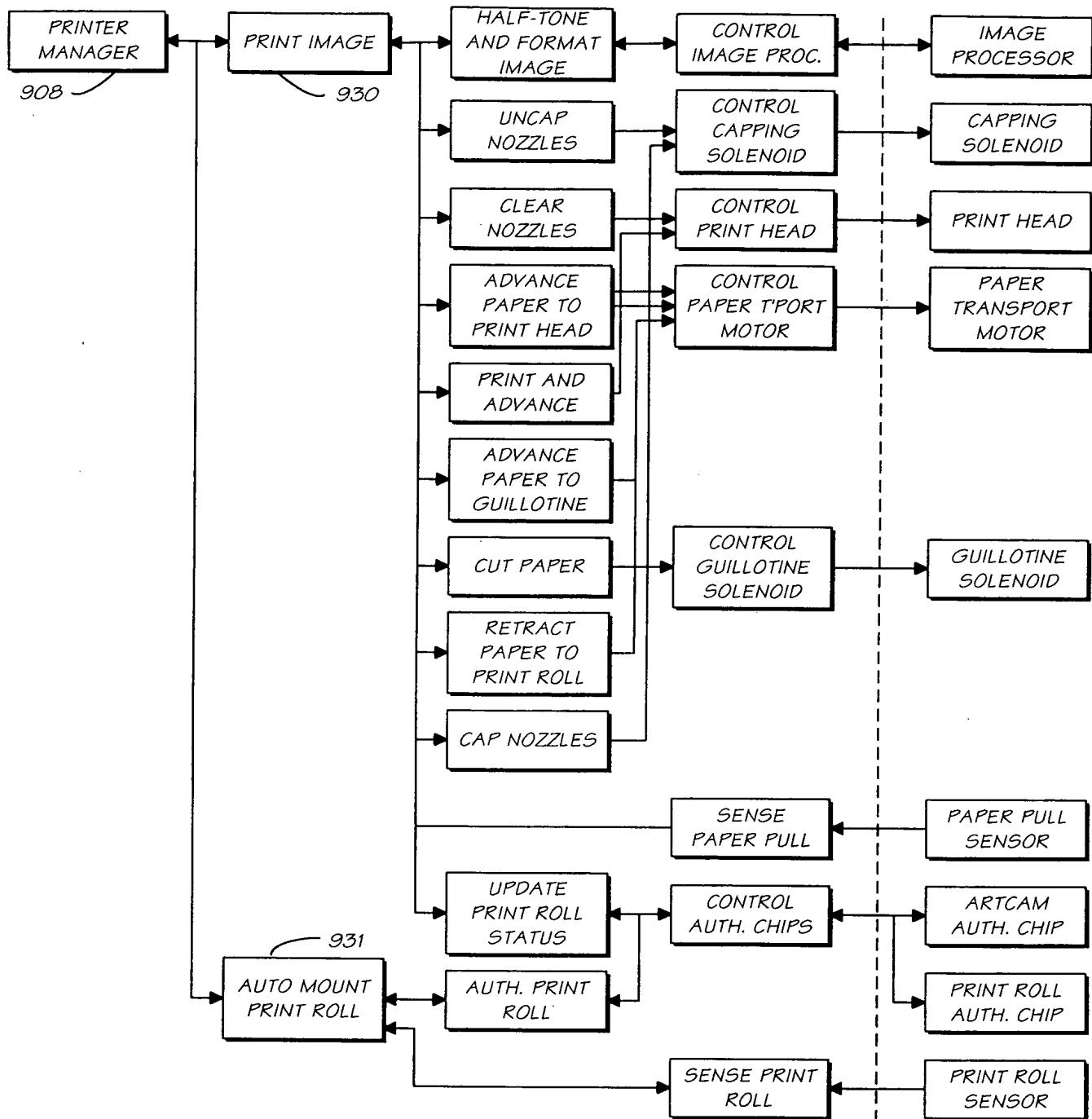


FIG. 224

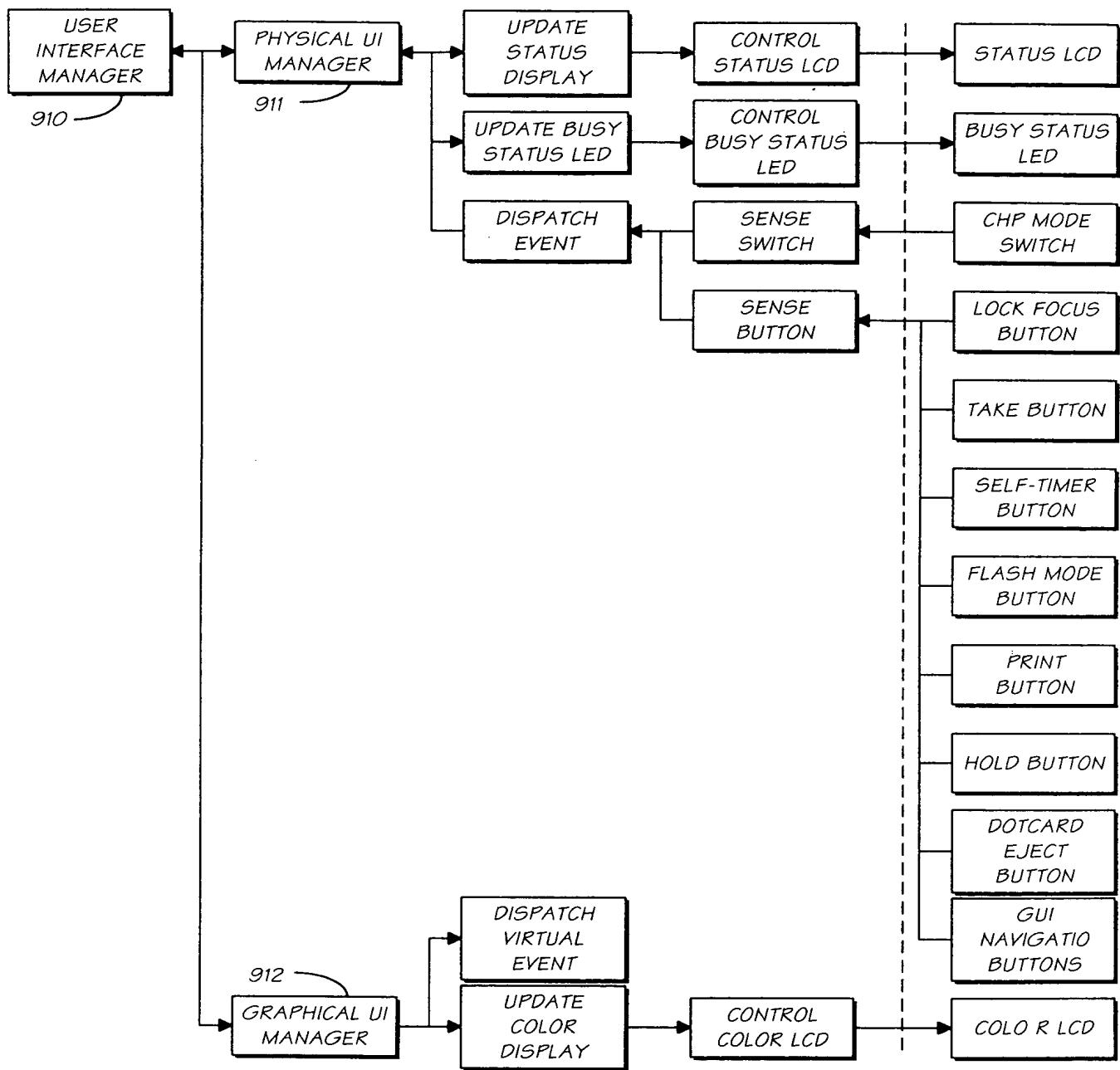


FIG. 225

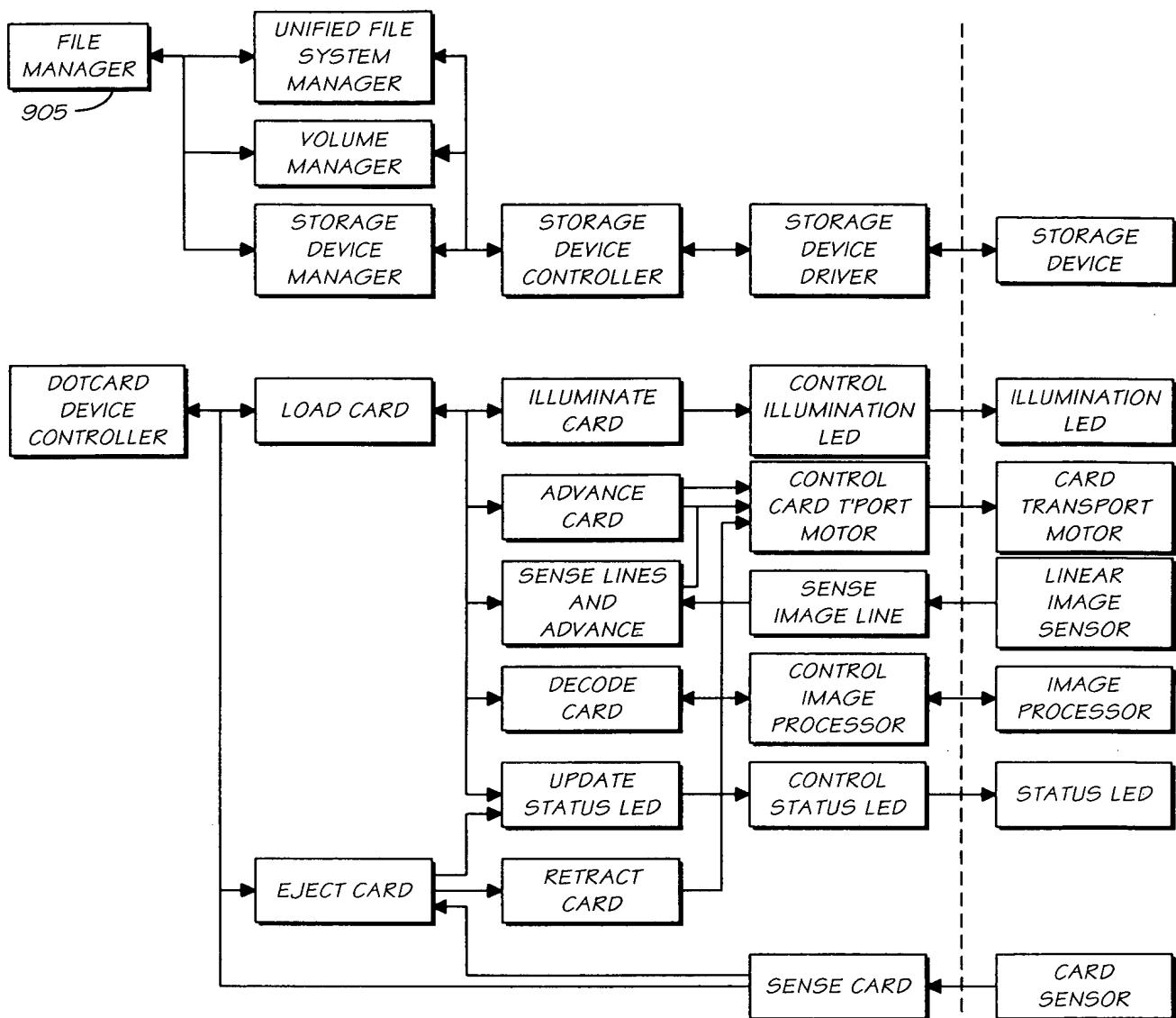


FIG. 226

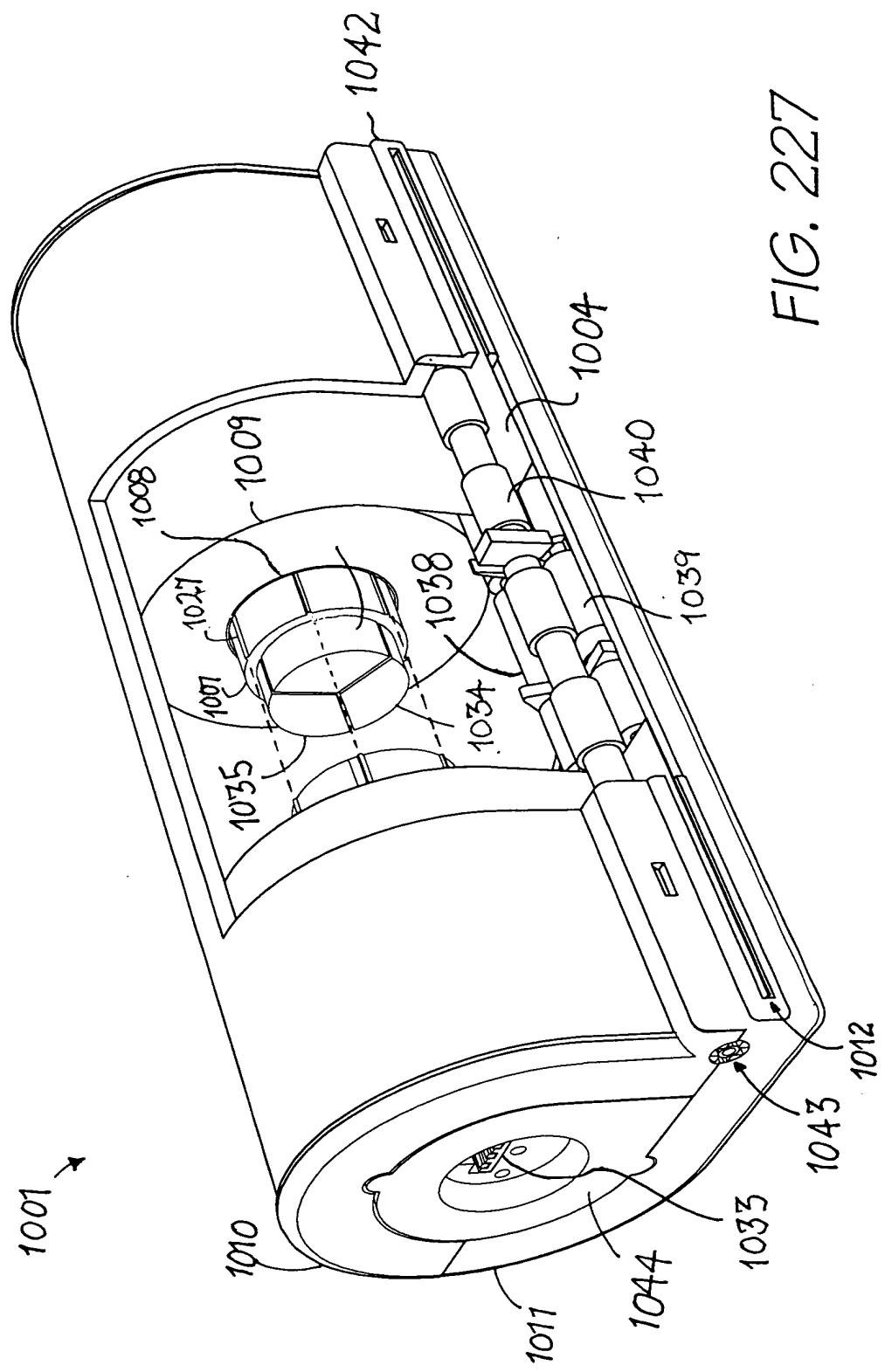
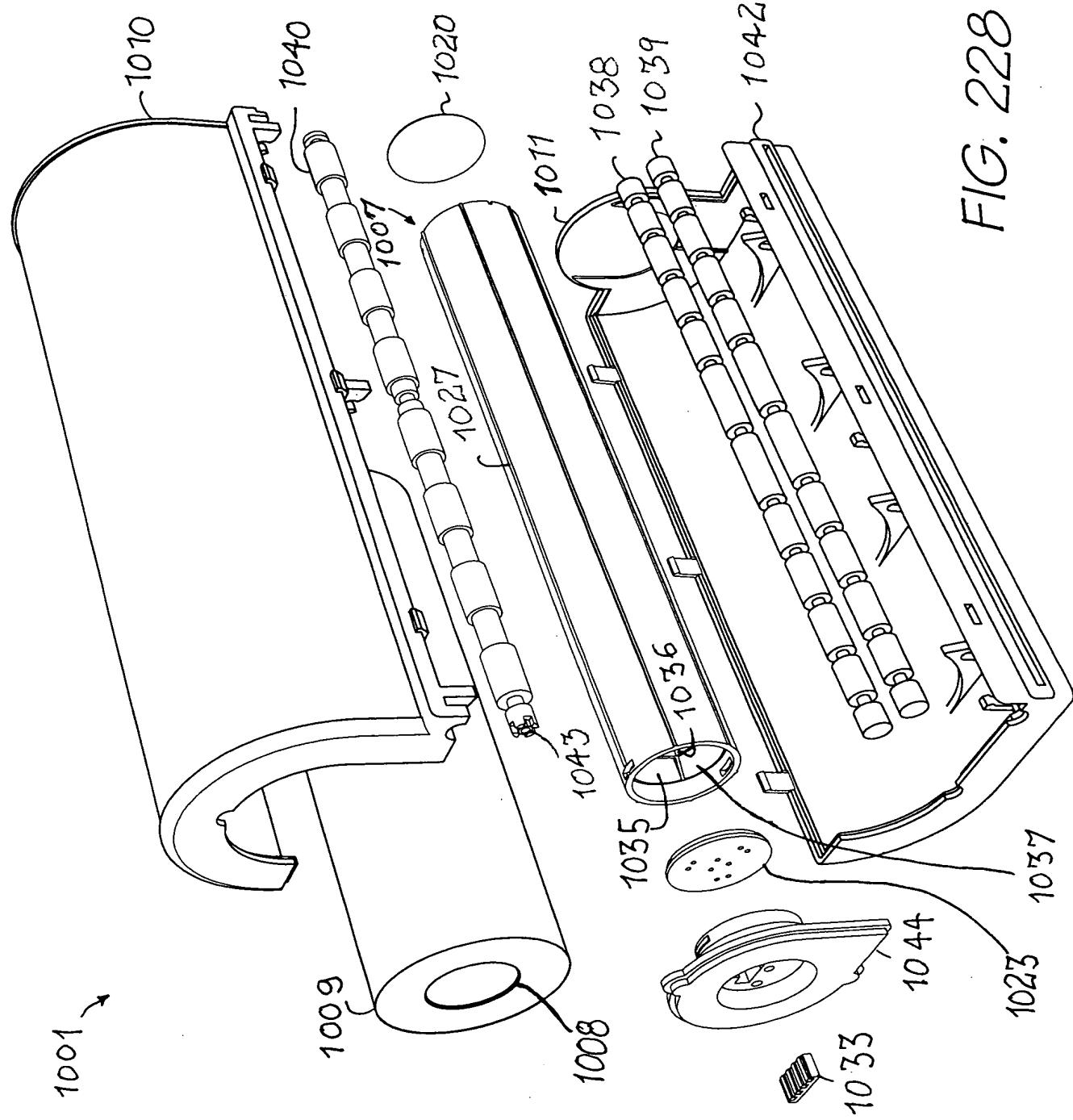
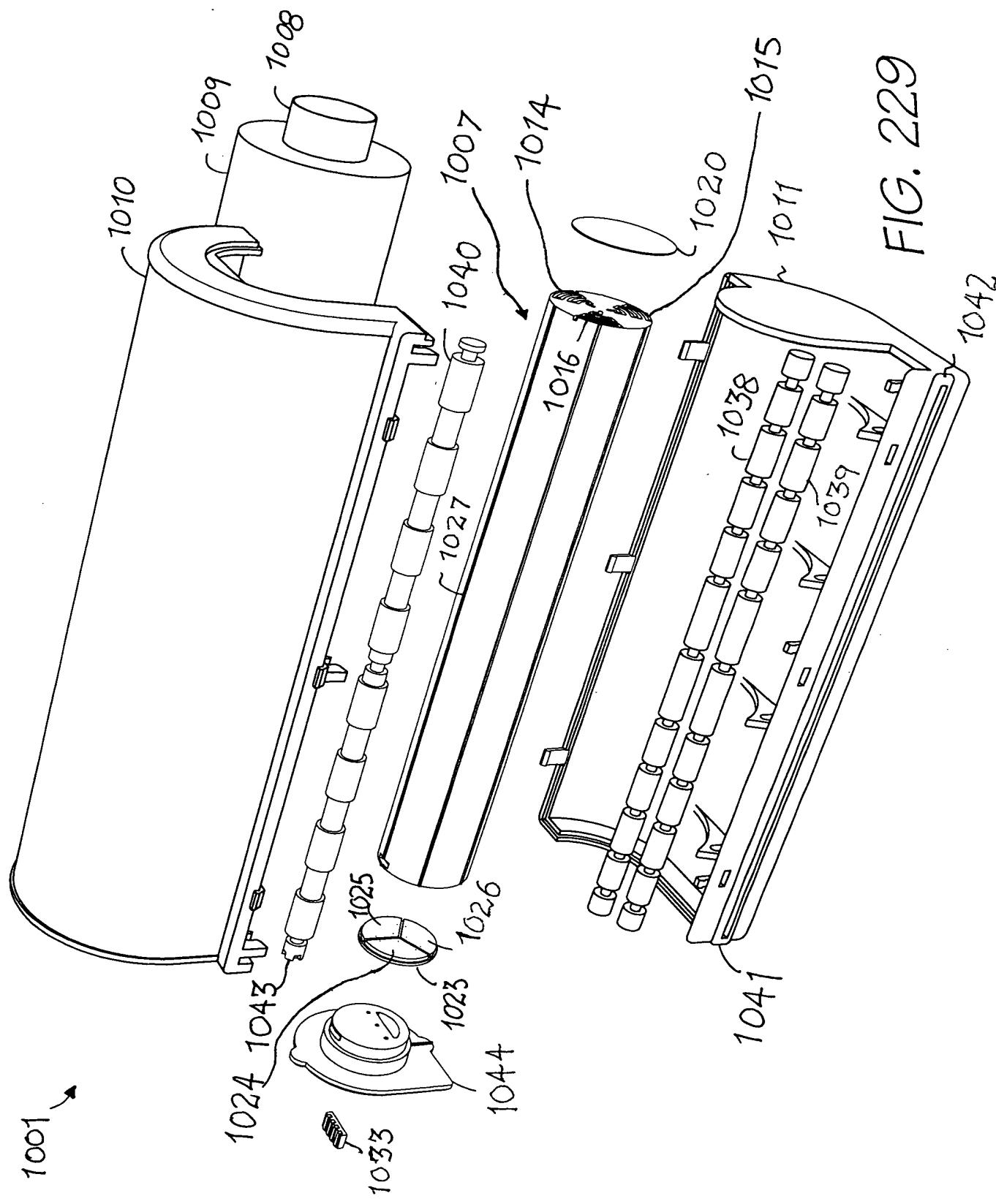
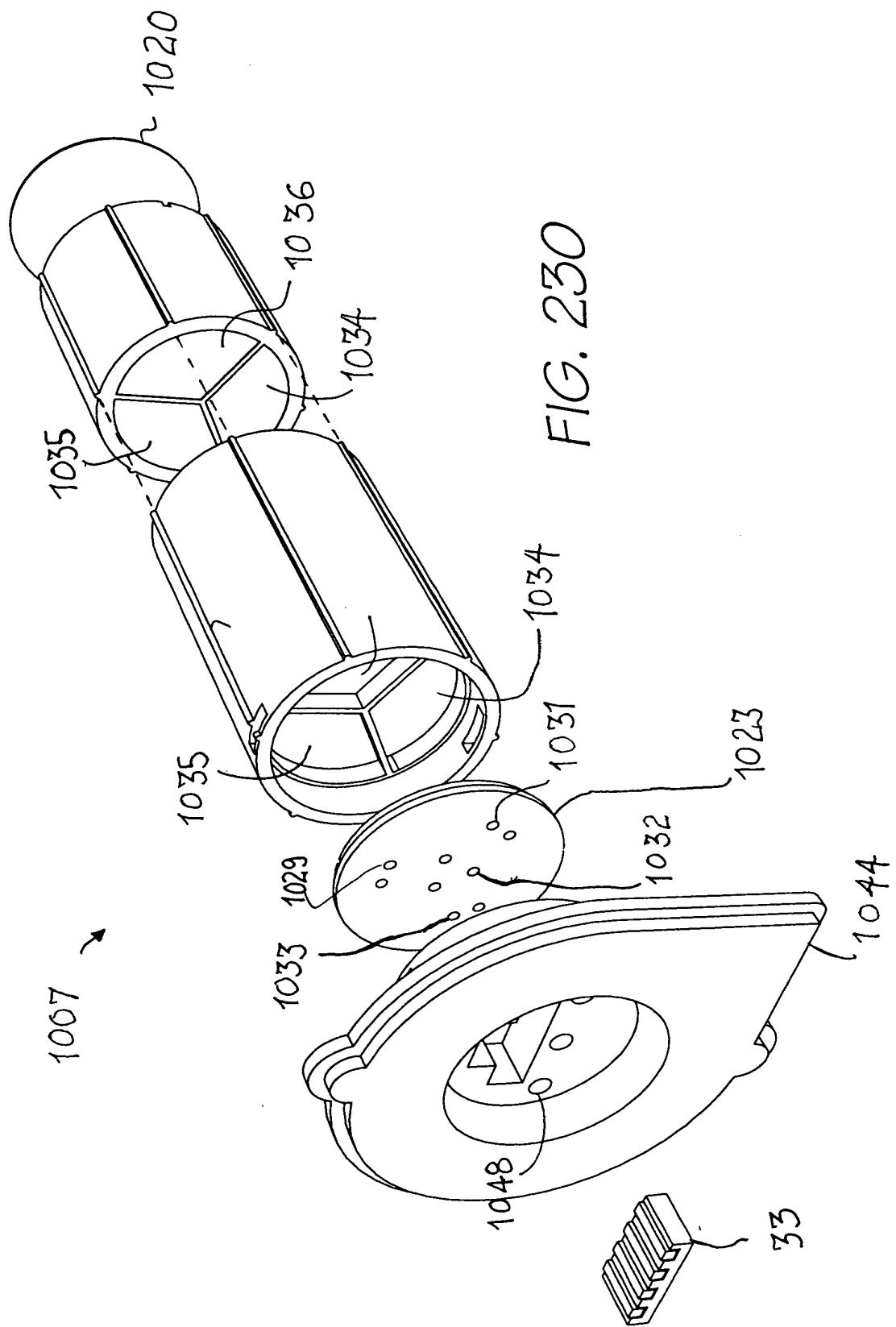


FIG. 227

FIG. 228







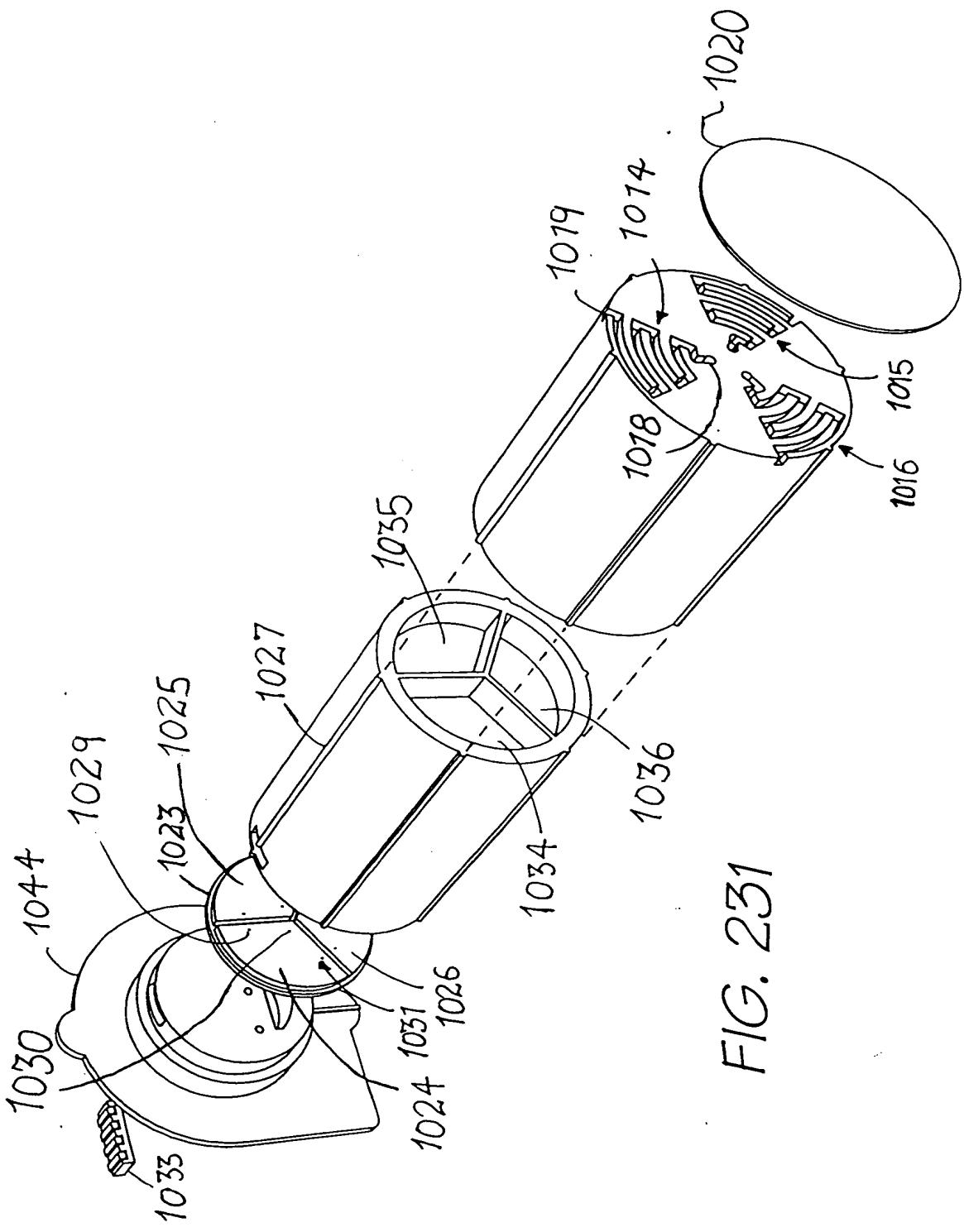


FIG. 231